

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Touzani, S., Alhendal, Y.	Forced Convection over an Inclined Heated Plate with Varying Aspect Ratios: 3D Numerical and Experimental Investigations	forced convection, inclined plate, angle of inclination, aspect ratio, CFD, correlation	42, 4, 1111-1119	https://doi.org/10.18280/ijht.420401	Touzani, S., Alhendal, Y. (2024). Forced convection over an inclined heated plate with varying aspect ratios: 3D numerical and experimental investigations. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1111-1119. https://doi.org/10.18280/ijht.420401
2	Alibrahim, M.M., Zeadeh, S.A., AL-Qudah, A.H., Alzoubi, B.T.	Thermal Comfort Enhancement for Office Blocks Considering Employees' Satisfaction Without Increasing Energy Consumption	thermal comfort, office block, employees' satisfaction, corrective actions, energy consumption	42, 4, 1120-1128	https://doi.org/10.18280/ijht.420402	Alibrahim, M.M., Zeadeh, S.A., AL-Qudah, A.H., Alzoubi, B.T. (2024). Thermal comfort enhancement for office blocks considering employees' satisfaction without increasing energy consumption. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1120-1128. https://doi.org/10.18280/ijht.420402
3	Zhang, L., Huang, X., Zhong, J., Zhong, H.	Quantitative Analysis of Height-Difference Ventilation in Residential Buildings: Application in Higher Education and Architectural Design in Shanghai	height-difference ventilation, wind performance-oriented design (WPOD), quantitative analysis, sustainable architecture, architectural education	42, 4, 1129-1138	https://doi.org/10.18280/ijht.420403	Zhang, L., Huang, X., Zhong, J., Zhong, H. (2024). Quantitative analysis of height-difference ventilation in residential buildings: Application in higher education and architectural design in Shanghai. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1129-1138. https://doi.org/10.18280/ijht.420403
4	Belhouane, F.I., Bennoud, S., Halfaya, F.Z.	Numerical Investigation of Confined Flow Which Occurs Within a Conduit with Isothermal Walls and Complex Cross Section	Internal flow, entropy number, thermal system, FEM analysis, non-circular cross-section	42, 4, 1139-1148	https://doi.org/10.18280/ijht.420404	Belhouane, F.I., Bennoud, S., Halfaya, F.Z. (2024). Numerical investigation of confined flow which occurs within a conduit with isothermal walls and complex cross section. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1139-1148. https://doi.org/10.18280/ijht.420404
5	Abdulsahib, A.D., Alkhafaji, D., Albayati, I.M.	Thermal Design and Heat Transfer Analysis of Heat Sinks and Enclosures: A Review	cavity, fins, nanofluid, porous media, convection, heat dissipation	42, 4, 1149-1163	https://doi.org/10.18280/ijht.420405	Abdulsahib, A.D., Alkhafaji, D., Albayati, I.M. (2024). Thermal design and heat transfer analysis of heat sinks and enclosures: A review. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1149-1163. https://doi.org/10.18280/ijht.420405
6	Valencia, A., Lepin, N.	Effect of Spoilers and Diffusers on the Aerodynamics of a Sedan Automobile	CFD, aerodynamics, diffusers, spoilers, external modifications	42, 4, 1164-1172	https://doi.org/10.18280/ijht.420406	Valencia, A., Lepin, N. (2024). Effect of spoilers and diffusers on the aerodynamics of a sedan automobile. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1164-1172. https://doi.org/10.18280/ijht.420406
7	Gao, W., Zuo, X.H., Liu, X.L., Yan, L., Pang, J.J., Qiao, W., Xu, X.J., Liang, Y.X., Bu, Y.G.	Energy Efficiency Analysis and Energy-Saving Measures for the Steam System in a Cigarette Factory in Zhangjiakou	steam system, energy efficiency assessment, thermal efficiency, exergy efficiency	42, 4, 1173-1184	https://doi.org/10.18280/ijht.420407	Gao, W., Zuo, X.H., Liu, X.L., Yan, L., Pang, J.J., Qiao, W., Xu, X.J., Liang, Y.X., Bu, Y.G. (2024). Energy efficiency analysis and energy-saving measures for the steam system in a cigarette factory in Zhangjiakou. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1173-1184. https://doi.org/10.18280/ijht.420407
8	Ahmed, G.M., Faraj, J.J., Hussien, F.M.	A Greenhouse Solar Dryer for Tomato Paste Production in Iraqi Rural Region	solar, drying, tomato, greenhouse, economics, paste, PV, rural	42, 4, 1185-1192	https://doi.org/10.18280/ijht.420408	Ahmed, G.M., Faraj, J.J., Hussien, F.M. (2024). A greenhouse solar dryer for tomato paste production in Iraqi rural region. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1185-1192. https://doi.org/10.18280/ijht.420408
9	Saptoadi, H., Susastriawan, A.A.P., Subbarao, P.M.V.	Performance of Spray Scrubber for Tar Removal and Energy Density of CPG from Rice Husk Gasification	gasifier, producer gas, rice husk, spray scrubber, tar removal	42, 4, 1193-1199	https://doi.org/10.18280/ijht.420409	Saptoadi, H., Susastriawan, A.A.P., Subbarao, P.M.V. (2024). Performance of spray scrubber for tar removal and energy density of CPG from rice husk gasification. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1193-1199. https://doi.org/10.18280/ijht.420409
10	Hussein, H.A., Sehen, M.S., Mezher, M.K., Alderoubi, N., Majdi, H.S.	Pinch Analysis of Multi Stage of Micro Heat Exchanger	pinch analysis, micro heat exchanger, multi stage, HYSYS, fluent	42, 4, 1200-1208	https://doi.org/10.18280/ijht.420410	Hussein, H.A., Sehen, M.S., Mezher, M.K., Alderoubi, N., Majdi, H.S. (2024). Pinch analysis of multi stage of micro heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1200-1208. https://doi.org/10.18280/ijht.420410
11	Hu, J., Ji, J.K., Liu, Y.X., Cui, H., You, P.B.	Thermal Expansion Characteristics and Their Impact on Reinforced Concrete Bridges Under Varying Temperature Conditions	reinforced concrete bridges, thermal expansion, temperature field analysis, structural stability, engineering design	42, 4, 1209-1218	https://doi.org/10.18280/ijht.420411	Hu, J., Ji, J.K., Liu, Y.X., Cui, H., You, P.B. (2024). Thermal expansion characteristics and their impact on reinforced concrete bridges under varying temperature conditions. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1209-1218. https://doi.org/10.18280/ijht.420411
12	Saleem, J., Chahrour, K.M.N., Habeeb, L.J.	Exploring the Impacts of System Geometry on Heat Transfer Efficiency in Coil-and-Tube Heat Exchangers	coil-and-tube heat exchanger, ANSYS simulation, coefficient of performance, temperature and velocity contour	42, 4, 1219-1230	https://doi.org/10.18280/ijht.420412	Saleem, J., Chahrour, K.M.N., Habeeb, L.J. (2024). Exploring the impacts of system geometry on heat transfer efficiency in coil-and-tube heat exchangers. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1219-1230. https://doi.org/10.18280/ijht.420412
13	Alshwairekh, A.M.	Thermal-Hydraulic Performance of Additively Manufactured Plate Heat Exchangers with Single and Double Sine Wave Corrugations: A CFD Study	CFD, heat exchangers, low-temperature heat exchangers, 3D printing, Nusselt number, friction factor	42, 4, 1231-1239	https://doi.org/10.18280/ijht.420413	Alshwairekh, A.M. (2024). Thermal-hydraulic performance of additively manufactured plate heat exchangers with single and double sine wave corrugations: A CFD study. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1231-1239. https://doi.org/10.18280/ijht.420413
14	Miao, J.F.	Thermodynamic Analysis of the Relationship Between Energy Conversion Efficiency in Industrial Enterprises and Economic Growth	thermodynamic analysis, energy conversion efficiency, economic growth, industrial enterprises, energy economics	42, 4, 1240-1250	https://doi.org/10.18280/ijht.420414	Miao, J.F. (2024). Thermodynamic analysis of the relationship between energy conversion efficiency in industrial enterprises and economic growth. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1240-1250. https://doi.org/10.18280/ijht.420414
15	Yousif, S.S., Al-Obaidi, M.A., Al-Muhsen, N.F.O.	Towards More Efficient Refrigeration: A Study on the Use of TiO2 and Al2O3 Nanoparticles	vapour compression system, nanoparticles, refrigeration system, coefficient of performance, cooling capacity	42, 4, 1251-1256	https://doi.org/10.18280/ijht.420415	Yousif, S.S., Al-Obaidi, M.A., Al-Muhsen, N.F.O. (2024). Towards more efficient refrigeration: A study on the use of TiO2 and Al2O3 nanoparticles. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1251-1256. https://doi.org/10.18280/ijht.420415
16	Majka, T.M.	Effect of LbL Deposited Chitosan-Nanosilica Bilayers on Flammability and Thermal Properties of Polylactide Materials	biocomposites, flame retardants, flammability, Layer by Layer technique, nanosilica, polylactide	42, 4, 1257-1269	https://doi.org/10.18280/ijht.420416	Majka, T.M. (2024). Effect of LbL deposited chitosan-nanosilica bilayers on flammability and thermal properties of polylactide materials. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1257-1269. https://doi.org/10.18280/ijht.420416
17	Al-Rikaby, R.A., Hasan, M.I.	Numerical Study of the Potential of Operation the Direct Driven Solar Air Conditioner with PV Cells in Iraq's Weather	performance, solar energy, coefficient of performance (COP), remote areas, climatic conditions, solar AC	42, 4, 1270-1278	https://doi.org/10.18280/ijht.420417	Al-Rikaby, R.A., Hasan, M.I. (2024). Numerical study of the potential of operation the direct driven solar air conditioner with PV cells in Iraq's weather. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1270-1278. https://doi.org/10.18280/ijht.420417

18	Al Khuzai, M.Q., Oshchepkov, P.P.	Evaluating the Performance and Emission Characteristics of Diesel Engines Using Biodiesel Blends with Hydrocarbon Additives	biodiesel, diesel engine, emissions, environmental impact, engine performance, antioxidant, alternative fuels, hydrocarbons blend	42, 4, 1279-1285	https://doi.org/10.18280/ijht.420418	Al Khuzai, M.Q., Oshchepkov, P.P. (2024). Evaluating the performance and emission characteristics of diesel engines using biodiesel blends with hydrocarbon additives. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1279-1285. https://doi.org/10.18280/ijht.420418
19	Qin, F.Y., Yang, F.L., Ge, Q.Y., Zheng, J.	Dynamic Response of Geomaterials Considering Thermal Stress and Its Application in Seismic Engineering	geomaterials, thermal stress, dynamic response, seismic engineering, compound stress conditions, heat transfer model	42, 4, 1286-1296	https://doi.org/10.18280/ijht.420419	Qin, F.Y., Yang, F.L., Ge, Q.Y., Zheng, J. (2024). Dynamic response of geomaterials considering thermal stress and its application in seismic engineering. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1286-1296. https://doi.org/10.18280/ijht.420419
20	Ali, D.F., Ghashim, S.L.	Flow and Heat Transfer Characteristics of Single Slot Jet Impingement on a Metal Foam Flat Plate	copper foam, copper foam thickness, jet impingement, local Nusselt number, numerical study, unconfined slot jet	42, 4, 1297-1308	https://doi.org/10.18280/ijht.420420	Ali, D.F., Ghashim, S.L. (2024). Flow and heat transfer characteristics of single slot jet impingement on a metal foam flat plate. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1297-1308. https://doi.org/10.18280/ijht.420420
21	Belmiloud, M.A., Guemmour, M.B., Nord-eddine, S.C.	The Effect of Changing the Coil Wave Amplitude on Improving Heat Transfer for a Natural Gas Heater	natural gas, heater, coils, amplitude of wave, corrugated, heat exchange	42, 4, 1309-1316	https://doi.org/10.18280/ijht.420421	Belmiloud, M.A., Guemmour, M.B., Nord-eddine, S.C. (2024). The effect of changing the coil wave amplitude on improving heat transfer for a natural gas heater. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1309-1316. https://doi.org/10.18280/ijht.420421
22	Bian, J.P., Wang, Y.L., Li, Y.Y.	Application of Thermodynamic Models in Bridge Temperature Field Simulation and Thermal Stress Analysis	bridge temperature field, thermal stress, thermodynamic model, numerical simulation, structural safety	42, 4, 1317-1326	https://doi.org/10.18280/ijht.420422	Bian, J.P., Wang, Y.L., Li, Y.Y. (2024). Application of thermodynamic models in bridge temperature field simulation and thermal stress analysis. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1317-1326. https://doi.org/10.18280/ijht.420422
23	Najm, A.Q., Dakhil, S.F., Mohammed, A.Q.	Numerical Analysis of Shell and Tube Heat Exchanger with Different Baffle Configurations Performance	baffles, wavy cross section, segmental, CFD, heat exchanger, fluent	42, 4, 1327-1336	https://doi.org/10.18280/ijht.420423	Najm, A.Q., Dakhil, S.F., Mohammed, A.Q. (2024). Numerical analysis of shell and tube heat exchanger with different baffle configurations performance. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1327-1336. https://doi.org/10.18280/ijht.420423
24	Minh, C.N., Van, Q.D., Dinh, T.N., Van, Q.L.	Numerical Investigation of Material and Structural Influence on Transient Temperature Behavior in Disc Brakes During Single-Stop Braking	disc brake, solid disc brake, ventilated disc brake, transient temperature field, finite element method (FEM)	42, 4, 1337-1348	https://doi.org/10.18280/ijht.420424	Minh, C.N., Van, Q.D., Dinh, T.N., Van, Q.L. (2024). Numerical investigation of material and structural influence on transient temperature behavior in disc brakes during single-stop braking. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1337-1348. https://doi.org/10.18280/ijht.420424
25	Kedar, S., Bewoor, A., Murali, G., More, G.V., Roy, A.	Thermal Analysis of Sea Water Hybrid Solar Desalination System - An Experimental Approach	freshwater, hybrid desalination system, seawater, sustainability, evacuated tube collector, compound parabolic concentrator	42, 4, 1349-1358	https://doi.org/10.18280/ijht.420425	Kedar, S., Bewoor, A., Murali, G., More, G.V., Roy, A. (2024). Thermal analysis of sea water hybrid solar desalination system - an experimental approach. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1349-1358. https://doi.org/10.18280/ijht.420425
26	Hyal, L.S., Jalil, J.M., Hanfesh, A.O.	Numerical and Experimental Study of a Single-Slope Solar Still Integrated with Wick Material and External Condenser	external condenser, still efficiency, Computational Fluid Dynamics (CFD), wick, productivity	42, 4, 1359-1374	https://doi.org/10.18280/ijht.420426	Hyal, L.S., Jalil, J.M., Hanfesh, A.O. (2024). Numerical and experimental study of a single-slope solar still integrated with wick material and external condenser. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1359-1374. https://doi.org/10.18280/ijht.420426
27	Yang, J.	Investigation into the Self-Regulating Temperature Mechanism and Energy-Saving Performance of Phase Change Energy Storage Materials in Building Walls	phase change energy storage materials (PCMs), building energy conservation, self-regulating temperature mechanism, mathematical model, thermal performance analysis	42, 4, 1375-1384	https://doi.org/10.18280/ijht.420427	Yang, J. (2024). Investigation into the self-regulating temperature mechanism and energy-saving performance of phase change energy storage materials in building walls. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1375-1384. https://doi.org/10.18280/ijht.420427
28	Al-Tameri, O.H.A., Alderoubi, N., Majdi, H.S., Al-Zuhairi, H.M.I., Hashim, A.M., Habeeb, L.J.	Thermal and Mechanical Analysis of Single U Welding Joint and Unsymmetrical Double U Welding Joint of Thick Steel Alloy Plates	unsymmetrical double U joints, fusion zone, normal stress, ANSYS simulation, deformation	42, 4, 1385-1396	https://doi.org/10.18280/ijht.420428	Al-Tameri, O.H.A., Alderoubi, N., Majdi, H.S., Al-Zuhairi, H.M.I., Hashim, A.M., Habeeb, L.J. (2024). Thermal and mechanical analysis of single U welding joint and unsymmetrical double U welding joint of thick steel alloy plates. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1385-1396. https://doi.org/10.18280/ijht.420428
29	Kumar, B., Kumar, B.	Analysis of Corrugation Pitch Influence on Pressure Distribution and Flow Maldistribution in Chevron-Type Plate Heat Exchangers	plate heat exchanger, corrugation pitch, flow maldistribution, channel pressure drop, total non-dimensional pressure drop	42, 4, 1397-1405	https://doi.org/10.18280/ijht.420429	Kumar, B., Kumar, B. (2024). Analysis of corrugation pitch influence on pressure distribution and flow maldistribution in chevron-type plate heat exchangers. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1397-1405. https://doi.org/10.18280/ijht.420429
30	Idan, H.A., Kadhom, H.K., Faraj, S.R.	Experimental and Numerical Investigation of PV Panel Cooling Using Ribbed Fin Heat Exchanger and Hybrid Generation	CFD, heat transfer, heat exchanger, PVT system, solar energy, thermoelectric generator units (TEGs)	42, 4, 1406-1416	https://doi.org/10.18280/ijht.420430	Idan, H.A., Kadhom, H.K., Faraj, S.R. (2024). Experimental and numerical investigation of PV panel cooling using ribbed fin heat exchanger and hybrid generation. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1406-1416. https://doi.org/10.18280/ijht.420430
31	Qiao, J.F., Niu, Y.J.	Thermodynamic Multi-Objective Optimization: A Deep Learning and Evolutionary Algorithm Approach	thermodynamics, multi-objective optimization, deep learning, evolutionary algorithms, industrial boilers, combustion prediction	42, 4, 1417-1426	https://doi.org/10.18280/ijht.420431	Qiao, J.F., Niu, Y.J. (2024). Thermodynamic multi-objective optimization: A deep learning and evolutionary algorithm approach. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1417-1426. https://doi.org/10.18280/ijht.420431
32	Aldabbas, M.A.	Numerical Simulation and Experimental Analysis of the Behavior of Portland Cement Cooling Towers	cooling tower, dry air, cold air, efficiency, energy balance	42, 4, 1427-1433	https://doi.org/10.18280/ijht.420432	Aldabbas, M.A. (2024). Numerical simulation and experimental analysis of the behavior of portland cement cooling towers. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1427-1433. https://doi.org/10.18280/ijht.420432
33	Mohammed, M.S., Hamdey, M.D., Kareem, A.H., Majdi, H.S.	Investigation of Copper Backing Plate Effects in Stainless Steel Welding Distortion, Heat Distribution, and Residual Stress	ANSYS simulation, deformation, thermal, mechanical analysis, SOLIDWORKS, copper backing plate	42, 4, 1434-1446	https://doi.org/10.18280/ijht.420433	Mohammed, M.S., Hamdey, M.D., Kareem, A.H., Majdi, H.S. (2024). Investigation of copper backing plate effects in stainless steel welding distortion, heat distribution, and residual stress. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1434-1446. https://doi.org/10.18280/ijht.420433
34	Yu, P.F., Wen, X.T., Li, J.J.	Performance of R32/R600 in Double Evaporator Water Chiller Units	R32/R600, mixed refrigerant, double evaporator water chiller units, performance research, dual carbon strategy	42, 4, 1447-1454	https://doi.org/10.18280/ijht.420434	Yu, P.F., Wen, X.T., Li, J.J. (2024). Performance of R32/R600 in double evaporator water chiller units. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1447-1454. https://doi.org/10.18280/ijht.420434

35	Ahmed, A.H., Zaidan, M.H., Al-Jethelah, M.S.M.	Effect of Upstream Fin Length on Longitudinally Finned Flat Tubes Bank Performance Based on Constructal Design and Fuzzy Logic Control	constructal design, laminar forced convection, longitudinally finned flat tubes bank heat exchanger, upstream fin length	42, 4, 1455-1464	https://doi.org/10.18280/ijht.420435	Ahmed, A.H., Zaidan, M.H., Al-Jethelah, M.S.M. (2024). Effect of upstream fin length on longitudinally finned flat tubes bank performance based on constructal design and fuzzy logic control. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1455-1464. https://doi.org/10.18280/ijht.420435
36	Cao, J.S.	Experimental Study on the Distribution Patterns of Moisture and Temperature Fields in Highway Embankments in Cold Regions	cold regions, embankment, temperature field, moisture field, monitoring	42, 4, 1465-1472	https://doi.org/10.18280/ijht.420436	Cao, J.S. (2024). Experimental study on the distribution patterns of moisture and temperature fields in highway embankments in cold regions. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1465-1472. https://doi.org/10.18280/ijht.420436
37	Basher, H.O.	Enhancement of Heat Transfer and Fluid Flow Characteristics in an Elliptical Tube with a Twisted Tube Section and Twisted Tape Inserts: A Numerical Investigation	heat transfer, elliptical tube, twisted tube, twisted tape inserts, Nusselt number, performance evaluation criterion (PEC)	42, 4, 1473-1483	https://doi.org/10.18280/ijht.420437	Basher, H.O. (2024). Enhancement of heat transfer and fluid flow characteristics in an elliptical tube with a twisted tube section and twisted tape inserts: A numerical investigation. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1473-1483. https://doi.org/10.18280/ijht.420437
38	Duy, P.V., Hung, T.T., Anh, L.D., Long, T.X., Siddiqui, N.A.	Drag Behavior of 25° Ahmed Body Effect by Deflector Length and Angles	Ahmed body, deflector length, skin friction, separation bubble, longitudinal vortex	42, 4, 1484-1494	https://doi.org/10.18280/ijht.420438	Duy, P.V., Hung, T.T., Anh, L.D., Long, T.X., Siddiqui, N.A. (2024). Drag behavior of 25° ahmed body effect by deflector length and angles. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 4, pp. 1484-1494. https://doi.org/10.18280/ijht.420438
39	Manna, R., Al-Aboushi, A., Shaban, N.A., Nasser, I.	Numerical Analysis of Heat Transfer Deterioration of Hydrogen Flowing in a Circular Pipe under Transcritical Boundary Conditions	hydrogen, cooling channel, rocket engine, heat transfer deterioration, supercritical, gerg-2008 equation of state	42, 3, 721-730	https://doi.org/10.18280/ijht.420301	Manna, R., Al-Aboushi, A., Shaban, N.A., Nasser, I. (2024). Numerical analysis of heat transfer deterioration of hydrogen flowing in a circular pipe under transcritical boundary conditions. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 721-730. https://doi.org/10.18280/ijht.420301
40	Alkalthom, S.J., Bouaziz, S., Saleh, A.M., Haddar, M.	Practical Experience in Blending Al ₂ O ₃ and Fe ₂ O ₃ with Biodiesel, Long-Chain Alcohol and Fossil Diesel	diesel engine, biodiesel, pentanol, nano-Al ₂ O ₃ , nano-Fe ₂ O ₃ , smoke opacity	42, 3, 731-738	https://doi.org/10.18280/ijht.420302	Alkalthom, S.J., Bouaziz, S., Saleh, A.M., Haddar, M. (2024). Practical experience in blending Al ₂ O ₃ and Fe ₂ O ₃ with biodiesel, long-chain alcohol and fossil diesel. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 731-738. https://doi.org/10.18280/ijht.420302
41	Liang, S.L.	Optimization of Thermal Performance in Green Building Materials Based on Thermodynamic Principles	green building materials, thermodynamic principles, thermal performance optimization, phase change thermal storage, heat transfer analysis	42, 3, 739-748	https://doi.org/10.18280/ijht.420303	Liang, S.L. (2024). Optimization of thermal performance in green building materials based on thermodynamic principles. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 739-748. https://doi.org/10.18280/ijht.420303
42	Bala-Litwiniak, A., Musiał, D.	Economic and Ecological Aspects of Combustion of Selected Types of Biomass in Low-Power Heating Boilers	biomass, pellets, combustion, domestic boiler	42, 3, 749-754	https://doi.org/10.18280/ijht.420304	Bala-Litwiniak, A., Musiał, D. (2024). Economic and ecological aspects of combustion of selected types of biomass in low-power heating boilers. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 749-754. https://doi.org/10.18280/ijht.420304
43	Akroot, A., Hasan, H.A., Bdaiwi, M.	Impact of Eucalyptus Biodiesel and Nanoparticle Additives on Diesel Engine Performance	nanoparticles, eucalyptus, biodiesel, oxide particles, nano aluminum, and diesel engine performance	42, 3, 755-764	https://doi.org/10.18280/ijht.420305	Akroot, A., Hasan, H.A., Bdaiwi, M. (2024). Impact of eucalyptus biodiesel and nanoparticle additives on diesel engine performance. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 755-764. https://doi.org/10.18280/ijht.420305
44	Cheng, T.T.	Thermodynamics-Based Energy Management Strategy for Electric Vehicle Braking	electric vehicles (EVs), second law of thermodynamics, regenerative braking, thermal management system, energy efficiency optimization	42, 3, 765-776	https://doi.org/10.18280/ijht.420306	Cheng, T.T. (2024). Thermodynamics-based energy management strategy for electric vehicle braking. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 765-776. https://doi.org/10.18280/ijht.420306
45	Barrak, E.S., Hussain, H.M., Habeeb, L.J.	Experimental Study for Controlling Airborne Contaminant Exposure in Iraqi Negative Pressure Isolation Rooms	indoor, isolation, healthcare, patient, COVID-19	42, 3, 777-785	https://doi.org/10.18280/ijht.420307	Barrak, E.S., Hussain, H.M., Habeeb, L.J. (2024). Experimental study for controlling airborne contaminant exposure in Iraqi negative pressure isolation rooms. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 777-785. https://doi.org/10.18280/ijht.420307
46	Basha, M.S., Sundar, L.S.	Experimental and ANN-Levenberg-Marquardt Predictions of the Thermophysical Properties of CoFe ₂ O ₄ /Water Nanofluids	particle size, neural networks, nanoparticles, nanofluids	42, 3, 786-794	https://doi.org/10.18280/ijht.420308	Basha, M.S., Sundar, L.S. (2024). Experimental and ANN-Levenberg-Marquardt predictions of the thermophysical properties of CoFe ₂ O ₄ /water nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 786-794. https://doi.org/10.18280/ijht.420308
47	Zhou, B., He, W., Liu, Y.L.	Thermal Conductivity Study of Plasma-Sprayed Iron-Based Coatings	plasma spraying, iron-based coating, thermal conductivity, coupled heat transfer model, conduction boundary conditions, heat transfer coefficient, numerical simulation	42, 3, 795-804	https://doi.org/10.18280/ijht.420309	Zhou, B., He, W., Liu, Y.L. (2024). Thermal conductivity study of plasma-sprayed iron-based coatings. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 795-804. https://doi.org/10.18280/ijht.420309
48	Józefiak, M., Ludwig, W.	Evaluating Jet Pump Turbulizers in Double Tube Heat Exchangers: A Preliminary CFD Study	CFD, heat exchanger, heat transfer intensification, jet pump, turbulizer	42, 3, 805-811	https://doi.org/10.18280/ijht.420310	Józefiak, M., Ludwig, W. (2024). Evaluating jet pump turbulizers in double tube heat exchangers: A preliminary CFD study. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 805-811. https://doi.org/10.18280/ijht.420310
49	Al-Obaidi, W., Al-Dawody, M.F., Al-Farhany, K.	Effect of Hybrid Fuels of Aqueous Ammonia, Dimethyl Ether, Biodiesel and Diesel Fuel on Thermal Performance of Diesel Engine	DME, green biodiesel, hybrid blends, NH ₄ OH, NO _x -PM relation, thermal characteristics	42, 3, 812-822	https://doi.org/10.18280/ijht.420311	Al-Obaidi, W., Al-Dawody, M.F., Al-Farhany, K. (2024). Effect of hybrid fuels of aqueous ammonia, dimethyl ether, biodiesel and diesel fuel on thermal performance of diesel engine. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 812-822. https://doi.org/10.18280/ijht.420311
50	Zhang, G.Q., Li, X.W., Song, A., Zhao, L.P.	Performance Evaluation of Heat Pump Systems Utilizing Construction Waste as a Low-Temperature Heat Source	construction waste, low-temperature heat source, heat pump systems, performance evaluation, exergy analysis	42, 3, 823-831	https://doi.org/10.18280/ijht.420312	Zhang, G.Q., Li, X.W., Song, A., Zhao, L.P. (2024). Performance evaluation of heat pump systems utilizing construction waste as a low-temperature heat source. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 823-831. https://doi.org/10.18280/ijht.420312
51	Alhaily, N.F.	Dimensioning of a Solar Adsorption-Powered Cooling Bed for Generating Relief Cooling	solar refrigerator, the thickness of the solar adsorptive bed, equilibrium uptake, cooling time, specific cooling power, performance	42, 3, 832-850	https://doi.org/10.18280/ijht.420313	Alhaily, N.F. (2024). Dimensioning of a solar adsorption-powered cooling bed for generating relief cooling. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 832-850. https://doi.org/10.18280/ijht.420313

52	Prasetyo, S.D., Arifin, Z., Prabowo, A.R., Budiana, E.P.	Examining Various Finned Collector Geometries in the Water/Al ₂ O ₃ Based PV/T System: An Analysis Using Computational Fluid Dynamics Simulation	PV/T, 3D CFD, fin geometry in collector, water/Al ₂ O ₃ fluid	42, 3, 851-864	https://doi.org/10.18280/ijht.420314	Prasetyo, S.D., Arifin, Z., Prabowo, A.R., Budiana, E.P. (2024). Examining various finned collector geometries in the water/Al ₂ O ₃ based PV/T system: An analysis using computational fluid dynamics simulation. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 851-864. https://doi.org/10.18280/ijht.420314
53	Xia, Z.J., Huang, M.J.	Optimizing the Aerodynamic Efficiency of Electric Vehicles via Streamlined Design: A Computational Fluid Dynamics Approach	electric vehicles (EVs), aerodynamic performance, streamlined design, battery technology, computational fluid dynamics (CFD)	42, 3, 865-876	https://doi.org/10.18280/ijht.420315	Xia, Z.J., Huang, M.J. (2024). Optimizing the aerodynamic efficiency of electric vehicles via streamlined design: A computational fluid dynamics approach. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 865-876. https://doi.org/10.18280/ijht.420315
54	Abdullah, A.M., Ali, H.H., Al-Qassar, A.A.	Experimental and Theoretical Study of a Novel Hydraulic Fluid Flow Control Method	hydrostatic transmission, inlet throttled pump, volumetric efficiency, mechanical efficiency, simulation, flow control	42, 3, 877-885	https://doi.org/10.18280/ijht.420316	Abdullah, A.M., Ali, H.H., Al-Qassar, A.A. (2024). Experimental and theoretical study of a novel hydraulic fluid flow control method. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 877-885. https://doi.org/10.18280/ijht.420316
55	Yang, F.L., Ge, Q.Y., Qin, F.Y., Zheng, J., Zhao, H.	Analysis of Thermal Expansion Effects and Thermodynamic Control Strategies for Super High-Rise Building Structures	super high-rise buildings, thermal expansion, concrete, thermodynamic control, effective medium theory	42, 3, 886-896	https://doi.org/10.18280/ijht.420317	Yang, F.L., Ge, Q.Y., Qin, F.Y., Zheng, J., Zhao, H. (2024). Analysis of thermal expansion effects and thermodynamic control strategies for super high-rise building structures. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 886-896. https://doi.org/10.18280/ijht.420317
56	Mainil, R.I., Afif, F., Arief, D.S., Mainil, A.K., Aziz, A.	Performance Comparison of Photovoltaic (PV), Heat Pipe Photovoltaic/Thermal (HP-PV/T), and Heat Pipe Solar Thermal Collectors (HP-STC): Energy Analysis	photovoltaic, PV/T, heat pipe, solar thermal collector	42, 3, 897-904	https://doi.org/10.18280/ijht.420318	Mainil, R.I., Afif, F., Arief, D.S., Mainil, A.K., Aziz, A. (2024). Performance comparison of photovoltaic (PV), heat pipe photovoltaic/thermal (HP-PV/T), and heat pipe solar thermal collectors (HP-STC): Energy analysis. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 897-904. https://doi.org/10.18280/ijht.420318
57	Yao, B.Y., Li, Q., Huang, C.S.	Pyrolysis Characteristics of Construction Waste and Its Application in Low-Temperature Thermal Cycle Systems	construction waste, pyrolysis reaction, low-temperature thermal cycle system, thermodynamic performance, resource utilization	42, 3, 905-916	https://doi.org/10.18280/ijht.420319	Yao, B.Y., Li, Q., Huang, C.S. (2024). Pyrolysis characteristics of construction waste and its application in low-temperature thermal cycle systems. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 905-916. https://doi.org/10.18280/ijht.420319
58	Najaf, F., Aslan, S.R., Mohammed, Z.A.	Experimental Investigation of the Effect of Evacuated Tubes and Glass Cover Cooling on the Performance of the Solar Still	solar still, evacuated tube collector, glass cover cooling, productivity	42, 3, 917-923	https://doi.org/10.18280/ijht.420320	Najaf, F., Aslan, S.R., Mohammed, Z.A. (2024). Experimental investigation of the effect of evacuated tubes and glass cover cooling on the performance of the solar still. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 917-923. https://doi.org/10.18280/ijht.420320
59	Jebbar, Y.A., Fluiful, F.K., Khudhayer, W.J., Ali Hasson, N., Abdulhamed, A.J.	Improvement of Heat Transfer in a Parabolic Trough Collector Receiver Tube with Hollow Cylindrical Inserts: A CFD Study	inserts, parabolic trough collector, heat exchanges, heat transfer enhancement, CFD	42, 3, 924-932	https://doi.org/10.18280/ijht.420321	Jebbar, Y.A., Fluiful, F.K., Khudhayer, W.J., Ali Hasson, N., Abdulhamed, A.J. (2024). Improvement of heat transfer in a parabolic trough collector receiver tube with hollow cylindrical inserts: A CFD study. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 924-932. https://doi.org/10.18280/ijht.420321
60	Haj Khalil, R.A.E.H.	Comparative Analysis and Assessment of Economic Profitability of a Hybrid Renewable Energy Framework via HOMER Optimization in Jordan	renewable energy, optimization, hybrid system, LCOE, cost-effectiveness, GHG emissions	42, 3, 933-948	https://doi.org/10.18280/ijht.420322	Haj Khalil, R.A.E.H. (2024). Comparative analysis and assessment of economic profitability of a hybrid renewable energy framework via HOMER optimization in Jordan. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 933-948. https://doi.org/10.18280/ijht.420322
61	Wang, X.F., Jia, Y.G., Shao, M.Y., Chang, Z.Y., Zhang, P.	Optimization Algorithms for Urban Energy Balance: The Application of Thermodynamic Methods in Low-Carbon Ecological City Design	urban energy systems, thermodynamics, low-carbon ecological city, energy balance optimization, multi-energy flow balance, computational efficiency	42, 3, 949-959	https://doi.org/10.18280/ijht.420323	Wang, X.F., Jia, Y.G., Shao, M.Y., Chang, Z.Y., Zhang, P. (2024). Optimization algorithms for urban energy balance: The application of thermodynamic methods in low-carbon ecological city design. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 949-959. https://doi.org/10.18280/ijht.420323
62	Rai, P., Mishra, U.	Exploring Dynamic Enhancements in MHD Heat Transfer with Second Order Slip Model in Radiative Fluid Flow Through Porous Media along a Stretching Cylinder	stretching cylinder, radiation, second order slip, porous medium, finite element method	42, 3, 960-980	https://doi.org/10.18280/ijht.420324	Rai, P., Mishra, U. (2024). Exploring dynamic enhancements in MHD heat transfer with second order slip model in radiative fluid flow through porous media along a stretching cylinder. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 960-980. https://doi.org/10.18280/ijht.420324
63	Muhammed, R.B., Wais, M.M., Abbas, E.F.	Thermal and Hydraulic Evaluation of a Parabolic Trough Collector Using Different Types of Porous Filling in an Absorber Receiver: A Review	parabolic trough collector (PTC), porous insert, copper metal foam, the tracking system, nano fluid, evacuated tube	42, 3, 981-990	https://doi.org/10.18280/ijht.420325	Muhammed, R.B., Wais, M.M., Abbas, E.F. (2024). Thermal and hydraulic evaluation of a parabolic trough collector using different types of porous filling in an absorber receiver: A review. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 981-990. https://doi.org/10.18280/ijht.420325
64	Li, P., Hua, S.H., Yu, Y., Tong, X.R., Xu, Y., Zhao, M.Y., Xu, P.W.	Impact of Dual Fire Sources on Temperature Distribution and Smoke Ventilation in Road Tunnels with Shafts	dual fire sources, fire source spacing, longitudinal wind speed, shaft ventilation, tunnel fire simulation	42, 3, 991-1002	https://doi.org/10.18280/ijht.420326	Li, P., Hua, S.H., Yu, Y., Tong, X.R., Xu, Y., Zhao, M.Y., Xu, P.W. (2024). Impact of dual fire sources on temperature distribution and smoke ventilation in road tunnels with shafts. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 991-1002. https://doi.org/10.18280/ijht.420326
65	Nashee, S.R.	Numerical Simulation of Heat Transfer Enhancement of a Heat Exchanger Tube Fitted with Single and Double-Cut Twisted Tapes	double-cut twisted tape, single-cut twisted tape, twisted tape, cut ratio, turbulent flow	42, 3, 1003-1010	https://doi.org/10.18280/ijht.420327	Nashee, S.R. (2024). Numerical simulation of heat transfer enhancement of a heat exchanger tube fitted with single and double-cut twisted tapes. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1003-1010. https://doi.org/10.18280/ijht.420327
66	Al-do' amy, N., Radhi, R.M., Noori, H.	Exergy Performance Enhancement of a Gas Turbine Power Plant Using Upstream Cooling Techniques	gas turbine, energy & exergy, up-stream cooling, fuel consumption, efficiency	42, 3, 1011-1020	https://doi.org/10.18280/ijht.420328	Al-do' amy, N., Radhi, R.M., Noori, H. (2024). Exergy performance enhancement of a gas turbine power plant using upstream cooling techniques. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1011-1020. https://doi.org/10.18280/ijht.420328
67	Dong, J.	Thermodynamic Foundations of Intelligent Algorithms for Enhancing Efficiency in Industrial Thermal Processes	industrial thermal processes, thermal efficiency, intelligent algorithms, thermodynamic fundamentals, mathematical model, optimized Gaussian process regression, prediction and optimization	42, 3, 1021-1028	https://doi.org/10.18280/ijht.420329	Dong, J. (2024). Thermodynamic foundations of intelligent algorithms for enhancing efficiency in industrial thermal processes. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1021-1028. https://doi.org/10.18280/ijht.420329
68	Zaidan, A.A., Salman, A.H., Alaiwi, Y., Jasim, J.A.	Numerical Analysis for a Computer Immersion-Cooling System	COMSOL, immersion-cooling system, computer, heat sink, heat transfer	42, 3, 1029-1036	https://doi.org/10.18280/ijht.420330	Zaidan, A.A., Salman, A.H., Alaiwi, Y., Jasim, J.A. (2024). Numerical analysis for a computer immersion-cooling system. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1029-1036. https://doi.org/10.18280/ijht.420330

69	Janabi, Y., Priscearu, T., Apostol, V., Al-Amir, Q.R.	A Review Study of Different Effects on the Performance of Natural Convection Within Enclosures	natural convection, MHD, nanofluid, porous media, FEM, cavities, heat transfer	42, 3, 1037-1057	https://doi.org/10.18280/ijht.420331	Janabi, Y., Priscearu, T., Apostol, V., Al-Amir, Q.R. (2024). A review study of different effects on the performance of natural convection within enclosures. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1037-1057. https://doi.org/10.18280/ijht.420331
70	Liu, W.Y., Li, C.S., Qi, C.Y., Zhang, L., Hui, J., Li, Y.X.	Investigating the Methodology for Identifying High-Temperature Zones within Porous Coal Masses via Thermal Conductivity Analysis	thermal conductivity, spherical heat conduction model, ignition source, high-temperature region	42, 3, 1058-1064	https://doi.org/10.18280/ijht.420332	Liu, W.Y., Li, C.S., Qi, C.Y., Zhang, L., Hui, J., Li, Y.X. (2024). Investigating the methodology for identifying high-temperature zones within porous coal masses via thermal conductivity analysis. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1058-1064. https://doi.org/10.18280/ijht.420332
71	Nurbaya, S.R., Yuwono, S.S., Putri, W.D.R., Lastryanto, A.	Ohmic Heating Process for the Extraction of Betacyanin Pigment from Red Dragon Fruit Peel as a Natural Food Colorant Ingredient	betacyanin, extraction, ohmic heating, solvent, temperature	42, 3, 1065-1072	https://doi.org/10.18280/ijht.420333	Nurbaya, S.R., Yuwono, S.S., Putri, W.D.R., Lastryanto, A. (2024). Ohmic heating process for the extraction of betacyanin pigment from red dragon fruit peel as a natural food colorant ingredient. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1065-1072. https://doi.org/10.18280/ijht.420333
72	Setyawan, A.	Enhancing Air Conditioner Efficiency Through Evaporative Cooling of the Compressor: Field Test Results	evaporative cooling, condensate water, cooling capacity, coefficient of performance	42, 3, 1073-1080	https://doi.org/10.18280/ijht.420334	Setyawan, A. (2024). Enhancing air conditioner efficiency through evaporative cooling of the compressor: Field test results. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1073-1080. https://doi.org/10.18280/ijht.420334
73	Salho, A.K., Hamzah, D.A.	A Review of Stirred Tank Dynamics: Power Consumption, Mixing Time and Impeller Geometry	stirred tank, rotation domain, power number, mixing time, impeller geometry	42, 3, 1081-1092	https://doi.org/10.18280/ijht.420335	Salho, A.K., Hamzah, D.A. (2024). A review of stirred tank dynamics: Power consumption, mixing time and impeller geometry. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1081-1092. https://doi.org/10.18280/ijht.420335
74	Abena, E.G.N., Njomo, D., Legue, D.R.K.	Analyzing PVT Properties of Crude Oil in Horizontal Offshore Well: An Experimental Study	cementation, thermal isolation, offshore, horizontal well and EKM-032	42, 3, 1093-1100	https://doi.org/10.18280/ijht.420336	Abena, E.G.N., Njomo, D., Legue, D.R.K. (2024). Analyzing PVT properties of crude oil in horizontal offshore well: An experimental study. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1093-1100. https://doi.org/10.18280/ijht.420336
75	Hummood, E., Hasan, M.I., Abd, G.	Investigating the Effects of Disturbed Soil Thickness on the Performance of Earth-Air Heat Exchanger	EAHE system, through CFD numerical investigation, soil heat exchanger, and geothermal energy	42, 3, 1101-1110	https://doi.org/10.18280/ijht.420337	Hummood, E., Hasan, M.I., Abd, G. (2024). Investigating the effects of disturbed soil thickness on the performance of Earth-Air Heat Exchanger. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 3, pp. 1101-1110. https://doi.org/10.18280/ijht.420337
76	Suleman, M., Gas, P.	Analytical, Experimental and Computational Analysis of Heat Released from a Hot Mug of Tea Coupled with Convection, Conduction, and Radiation Thermal Energy Modes	heat energy, convection, conduction, radiation, numerical simulation, finite element method, temperature measurements, analytical temperature solution	42, 2, 359-372	https://doi.org/10.18280/ijht.420201	Suleman, M., Gas, P. (2024). Analytical, experimental and computational analysis of heat released from a hot mug of tea coupled with convection, conduction, and radiation thermal energy modes. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 359-372. https://doi.org/10.18280/ijht.420201
77	Sapkal, N.P., Sherje, N.P., Chaudhary, A.S., Waghulde, K.B., Patil, A.A., Kattimani, P.C., Mahapure, P.S., Malwe, P.D., Gavande, V.M.	The Impact of Adhesive Force on Droplet Splash Delay on Surfaces with Nano-Textured Coatings Infused with Lubricant	droplet impact, splash, nano-structures, lubricant infused surface, adhesive force	42, 2, 373-378	https://doi.org/10.18280/ijht.420202	Sapkal, N.P., Sherje, N.P., Chaudhary, A.S., Waghulde, K.B., Patil, A.A., Kattimani, P.C., Mahapure, P.S., Malwe, P.D., Gavande, V.M. (2024). The impact of adhesive force on droplet splash delay on surfaces with nano-textured coatings infused with lubricant. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 373-378. https://doi.org/10.18280/ijht.420202
78	Alwatban, A., Alwatban, A., Othman, H.	Vortex Generators Heat Transfer Enhancement of Rectangular Channel with Vertical Baffles: A Numerical Study	energy transfer, vortex generator, CFD, solid baffles, turbulent flow, skin friction coefficient, thermal energy, turbulent kinetic energy, rectangular duct, energy conversion, thermal enhancement factor, heat exchanger, optimization, efficiency	42, 2, 379-389	https://doi.org/10.18280/ijht.420203	Alwatban, A., Alwatban, A., Othman, H. (2024). Vortex generators heat transfer enhancement of rectangular channel with vertical baffles: A numerical study. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 379-389. https://doi.org/10.18280/ijht.420203
79	Dib, K., Zennir, Y., Bounezour, H., Bouasla, S.E.I.	Oxidation Damage Analysis of Ferritic Alloy Steel Heater Tubes in Catalytic Reforming Unit	damage, failure, heater tubes, ferritic alloy-steel, oxidation, preventive maintenance	42, 2, 390-398	https://doi.org/10.18280/ijht.420204	Dib, K., Zennir, Y., Bounezour, H., Bouasla, S.E.I. (2024). Oxidation damage analysis of ferritic alloy steel heater tubes in catalytic reforming unit. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 390-398. https://doi.org/10.18280/ijht.420204
80	Hadi, F.M., Majdi, H.S.	Pinch Analysis of a Heat Exchanger Using Numerical and Analytical Simulation	thermal energy transfer, economic performance, thermal fins, heat exchangers, simulation	42, 2, 399-406	https://doi.org/10.18280/ijht.420205	Hadi, F.M., Majdi, H.S. (2024). Pinch Analysis of a heat exchanger using numerical and analytical simulation. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 399-406. https://doi.org/10.18280/ijht.420205
81	Ma, Z.H.	Investigating Critical Parameters for the Application of Liquid Carbon Dioxide in Fire Prevention and Extinguishing in Goaf	liquid carbon dioxide, specific heat capacity, thermal conductivity, laser flash method, spontaneous combustion of coal	42, 2, 407-413	https://doi.org/10.18280/ijht.420206	Ma, Z.H. (2024). Investigating critical parameters for the application of liquid carbon dioxide in fire prevention and extinguishing in goaf. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 407-413. https://doi.org/10.18280/ijht.420206
82	Jaffrullah, S., Sridhar, W., Ganesh, G.R.	Analysis of MHD Casson Nanofluid Flow over a Nonlinearly Stretching Surface with Joule Heating, Radiation and Suction Effects	Casson nanofluid, chemical reaction, Joule heating, porous medium, radiation effect, non-linear stretching sheet, magnetohydrodynamics (MHD), suction/injection	42, 2, 414-426	https://doi.org/10.18280/ijht.420207	Jaffrullah, S., Sridhar, W., Ganesh, G.R. (2024). Analysis of MHD Casson nanofluid flow over a nonlinearly stretching surface with Joule heating, radiation and suction effects. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 414-426. https://doi.org/10.18280/ijht.420207
83	Shaban, N.A., Younes, M.B., Alkhalil, S.	Experimental and Mathematical Analysis of the Performance of a Small Scale Absorption Cycle (NH ₃ -H ₂ O and LiBr-H ₂ O)	absorption cycle, Engineering Equation Solver (EES), cooling capacity, renewable energy, LiBr-H ₂ O, NH ₃ -H ₂ O, air conditioning	42, 2, 427-433	https://doi.org/10.18280/ijht.420208	Shaban, N.A., Younes, M.B., Alkhalil, S. (2024). Experimental and mathematical analysis of the performance of a small scale absorption cycle (NH ₃ -H ₂ O and LiBr-H ₂ O). <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 427-433. https://doi.org/10.18280/ijht.420208
84	Fan, Y.Y., Wu, W.F.	Prediction Model of Thermal Conductivity for Composite Materials Based on Non-Equilibrium Thermodynamics	composite materials, non-equilibrium thermodynamics, thermal conductivity prediction, entropy production adjustment, microstructure analysis	42, 2, 434-442	https://doi.org/10.18280/ijht.420209	Fan, Y.Y., Wu, W.F. (2024). Prediction model of thermal conductivity for composite materials based on non-equilibrium thermodynamics. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 434-442. https://doi.org/10.18280/ijht.420209
85	Hadi, S., Septiyanto, M.D., Parahita, A.N., Yaningsih, I., Budiana, E.P.	Examining the Performance of Single-Slope Desalination Using SS302 Hollow Circular Fin Absorbers at Varying Heights	solar still, desalination, height, hollow circular fin (HCF), absorbers, productivity, energy balance	42, 2, 443-454	https://doi.org/10.18280/ijht.420210	Hadi, S., Septiyanto, M.D., Parahita, A.N., Yaningsih, I., Budiana, E.P. (2024). Examining the performance of single-slope desalination using SS302 hollow circular fin absorbers at varying heights. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 443-454. https://doi.org/10.18280/ijht.420210

86	Ahmed, M.A., Hatem, S.M., Alabdaly, I.K.	Investigation of Heat Transfer Enhancement and Entropy Increment in a U Channel with V-shaped Ribs for Improved Hydrothermal Performance	U-form channel, heat transfer enhancement (HTE), entropy increment, V-shaped ribs	42, 2, 455-465	https://doi.org/10.18280/ijht.420211	Ahmed, M.A., Hatem, S.M., Alabdaly, I.K. (2024). Investigation of heat transfer enhancement and entropy increment in a U channel with V-shaped ribs for improved hydrothermal performance. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 455-465. https://doi.org/10.18280/ijht.420211
87	Zhang, N.	Diagnosis and Prevention of Overheating Failures in Mechanical Equipment Based on Numerical Analysis of Temperature and Thermal Stress Fields	mechanical equipment, overheating failures, temperature field, thermal stress field, fluid-thermal-structural coupling, fuzzy inference, fault diagnosis, fault prevention	42, 2, 466-474	https://doi.org/10.18280/ijht.420212	Zhang, N. (2024). Diagnosis and prevention of overheating failures in mechanical equipment based on numerical analysis of temperature and thermal stress fields. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 466-474. https://doi.org/10.18280/ijht.420212
88	Nouhaila, O., Hassane, M.	Analyzing the Impact of Cracks on Exhaust Manifold Performance: A Computational Fluid Dynamics Study	crack, exhaust manifold, pressure, skin friction coefficient, temperature, turbulence kinetic energy, velocity	42, 2, 475-480	https://doi.org/10.18280/ijht.420213	Nouhaila, O., Hassane, M. (2024). Analyzing the impact of cracks on exhaust manifold performance: A computational fluid dynamics study. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 475-480. https://doi.org/10.18280/ijht.420213
89	Hussien, A.A., Qasem, I.	Performance Analysis of Novel Perforated LPG Burner for Domestic Application	domestic burner, perforated plate, LPG, thermal efficiency, emissions, flame, Pareto optimal front (POF)	42, 2, 481-489	https://doi.org/10.18280/ijht.420214	Hussien, A.A., Qasem, I. (2024). Performance analysis of novel perforated LPG burner for domestic application. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 481-489. https://doi.org/10.18280/ijht.420214
90	Liu, Y., Hou, Z.Q., Feng, Z.Y.	Investigating the Performance of Alkali-Activated Cementitious Materials Under Temperature Cycling	alkali-activated materials, fly ash, slag, compressive strength, mass change, drying shrinkage, microstructure	42, 2, 490-500	https://doi.org/10.18280/ijht.420215	Liu, Y., Hou, Z.Q., Feng, Z.Y. (2024). Investigating the performance of alkali-activated cementitious materials under temperature cycling. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 490-500. https://doi.org/10.18280/ijht.420215
91	Khentoul, M., Bessaïh, R.	Numerical Study on Entropy Generation in a Horizontal Channel with Fins Using Hybrid Nanofluid	entropy generation, finite volumes, fins, forced convection, hybrid nanofluid	42, 2, 501-510	https://doi.org/10.18280/ijht.420216	Khentoul, M., Bessaïh, R. (2024). Numerical study on entropy generation in a horizontal channel with fins using hybrid nanofluid. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 501-510. https://doi.org/10.18280/ijht.420216
92	Wissame, T., Rachid, B.	Mixed Convection in an Open Cavity with an Internal Fin Filled with Nanofluid in a Porous Medium Using Two-Phase Mixture Model	mixed convection, nanofluid, porous media, two-phase model	42, 2, 511-519	https://doi.org/10.18280/ijht.420217	Wissame, T., Rachid, B. (2024). Mixed convection in an open cavity with an internal fin filled with nanofluid in a porous medium using two-phase mixture model. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 511-519. https://doi.org/10.18280/ijht.420217
93	Bao, M., Zou, D.Z.	The Impact of Architectural Layout on Urban Heat Island Effect: A Thermodynamic Perspective	urban heat island (UHI) effect, architectural layout, thermodynamics, boundary layer stability, spatial autocorrelation analysis, heat flux equation	42, 2, 520-528	https://doi.org/10.18280/ijht.420218	Bao, M., Zou, D.Z. (2024). The impact of architectural layout on urban heat island effect: A thermodynamic perspective. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 520-528. https://doi.org/10.18280/ijht.420218
94	Altork, Y., Alamayreh, M.I.	Optimizing Hybrid Heating Systems: Identifying Ideal Stations and Conducting Economic Analysis Heating Houses in Jordan	hybrid heating power system, sanitary hot water, carbon dioxide emissions, Best-Worst Method (BWM), economic analysis	42, 2, 529-540	https://doi.org/10.18280/ijht.420219	Altork, Y., Alamayreh, M.I. (2024). Optimizing hybrid heating systems: Identifying ideal stations and conducting economic analysis heating houses in Jordan. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 529-540. https://doi.org/10.18280/ijht.420219
95	Mahmood, H.A., Salman, A.D., Mohammed, M.F.	Estimating an Indirect Solar Water Heater's Performance under the Latent Heat of Ethanol Using a Thermosiphon-Riser Collector	filling ratio, ethanol, thermosiphon, water heater, thermal performance enhancers	42, 2, 541-548	https://doi.org/10.18280/ijht.420220	Mahmood, H.A., Salman, A.D., Mohammed, M.F. (2024). Estimating an indirect solar water heater's performance under the latent heat of ethanol using a thermosiphon-riser collector. International Journal of Heat and Technology Vol. 42, No. 2, pp. 541-548. https://doi.org/10.18280/ijht.420220
96	Fang, X.D., Wu, X.D.	Investigating the Thermal Transfer Properties of Green Facades in Urban Buildings	building exterior wall greening, heat flow transfer characteristics, heat and mass transfer process in vegetation layer, radiative heat transfer effects, solar radiation heat flow, net long-wave radiation heat flow, convective heat transfer heat flow, latent heat flow, thermal balance equation for vegetation layer	42, 2, 549-559	https://doi.org/10.18280/ijht.420221	Fang, X.D., Wu, X.D. (2024). Investigating the thermal transfer properties of green facades in urban buildings. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 549-559. https://doi.org/10.18280/ijht.420221
97	Alfatlawi, T.J., Hussein, A.H.	A Review of Studying the Flow Characteristics in Branching Open Channels	surface quenching, thermal, mechanical, metallurgy, XC42 steel, numerical, simulation	42, 2, 560-566	https://doi.org/10.18280/ijht.420222	Alfatlawi, T.J., Hussein, A.H. (2024). A review of studying the flow characteristics in branching open channels. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 560-566. https://doi.org/10.18280/ijht.420222
98	Maniana, M., Azim, A., Erchiqui, F., Tajmouati, A.	Prediction of the Metallurgical Structure after Surface Heat Treatment of XC42 Steel	surface quenching, thermal, mechanical, metallurgy, XC42 steel, numerical, simulation	42, 2, 567-573	https://doi.org/10.18280/ijht.420223	Maniana, M., Azim, A., Erchiqui, F., Tajmouati, A. (2024). Prediction of the metallurgical structure after surface heat treatment of XC42 steel. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 567-573. https://doi.org/10.18280/ijht.420223
99	Han, M.	Thermal Error Compensation Technology: Thermodynamic Approaches to Enhance the Precision of Computer Numerical Control Machine Tools	computer numerical control (CNC) machine tools, thermal errors, thermal error compensation, digital twins, back propagation neural network (BPNN)	42, 2, 574-582	https://doi.org/10.18280/ijht.420224	Han, M. (2024). Thermal error compensation technology: Thermodynamic approaches to enhance the precision of computer numerical control machine tools. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 574-582. https://doi.org/10.18280/ijht.420224
100	Pulagam, M.K.R., Rout, S.K., Muduli, K.K., Syed, S.A., Barik, D., Hussein, A.K.	Internal Finned Heat Exchangers: Thermal and Hydraulic Performance Review	internally finned tube, heat transfer coefficient, friction factor, Nusselt number	42, 2, 583-592	https://doi.org/10.18280/ijht.420225	Pulagam, M.K.R., Rout, S.K., Muduli, K.K., Syed, S.A., Barik, D., Hussein, A.K. (2024). Internal finned heat exchangers: Thermal and hydraulic performance review. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 583-592. https://doi.org/10.18280/ijht.420225
101	Moshab, A.A., Aldulaimi, R.K.M.	Thermal Performance Analysis of Thermosiphon Solar Water Heating System Using Overlapped and Reverse Flow	flat plat collector, heat transfer enhancement, overlapping and reversed flow	42, 2, 593-602	https://doi.org/10.18280/ijht.420226	Moshab, A.A., Aldulaimi, R.K.M. (2024). Thermal performance analysis of thermosiphon solar water heating system using overlapped and reverse flow. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 593-602. https://doi.org/10.18280/ijht.420226
102	Cheng, T.T.	Impact of Piston Ring Gap on the Thermodynamic Performance of Gasoline Direct Injection Engines	Gasoline Direct Injection (GDI) technology, piston rings, thermodynamic performance, heat transfer analysis, boundary conditions	42, 2, 603-612	https://doi.org/10.18280/ijht.420227	Cheng, T.T. (2024). Impact of piston ring gap on the thermodynamic performance of Gasoline Direct Injection engines. International Journal of Heat and Technology, Vol. 42, No. 2, pp. 603-612. https://doi.org/10.18280/ijht.420227

103	Ali, H.H.M., Ahmed, S.Y.	Assessing the Economic Viability of Solar Distillation Employing a Rotating Hollow Cylinder	thermodynamics, solar energy, economic viability, technical diagnoses, solar still	42, 2, 613-619	https://doi.org/10.18280/ijht.420228	Ali, H.H.M., Ahmed, S.Y. (2024). Assessing the economic viability of solar distillation employing a rotating hollow cylinder. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 613-619. https://doi.org/10.18280/ijht.420228
104	Wang, Y.	Thermodynamic Efficiency and Integration Strategies in Solar-Powered Building Electrical Systems	solar energy, building electrical systems, thermodynamic efficiency, energy analysis, exergy analysis, system integration, operational optimization	42, 2, 637-646	https://doi.org/10.18280/ijht.420230	Wang, Y. (2024). Thermodynamic efficiency and integration strategies in solar-powered building electrical systems. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 637-646. https://doi.org/10.18280/ijht.420230
105	Allali, A., Belbachir, S., Lousdad, A.	Effects of Humid Air Concentration on Flow Properties in a Centrifugal Fan Rotor	fan, impeller, dry air, humid air, turbulent flow	42, 2, 647-652	https://doi.org/10.18280/ijht.420231	Allali, A., Belbachir, S., Lousdad, A. (2024). Effects of humid air concentration on flow properties in a centrifugal fan rotor. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 647-652. https://doi.org/10.18280/ijht.420231
106	Souppornsingh, P., Chantawong, P., Khedari, J.	Experimental Investigation on Thermoelectric Power Generation Using Diurnal Temperature Difference Through Glazed Windows	Souppornsingh, P., Chantawong, P., Khedari, J.	42, 2, 653-658	https://doi.org/10.18280/ijht.420232	Souppornsingh, P., Chantawong, P., Khedari, J. (2024). Experimental investigation on thermoelectric power generation using diurnal temperature difference through glazed windows. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 653-658. https://doi.org/10.18280/ijht.420232
107	Liu, P., Wang, K., Chen, H.Q.	Thermodynamic Analysis of Coupled Seepage and Thermal Conduction Effects in Earth-Rock Dams	Liu, P., Wang, K., Chen, H.Q.	42, 2, 659-667	https://doi.org/10.18280/ijht.420233	Liu, P., Wang, K., Chen, H.Q. (2024). Thermodynamic analysis of coupled seepage and thermal conduction effects in earth-rock dams. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 659-667. https://doi.org/10.18280/ijht.420233
108	Aldabbas, M.A.	The Energy Efficiency and Environmental Impact of Coutant Combustor Type	exhaust gases analysis, dry gas losses, incomplete combustion, combustion efficiency, volumetric product concentration	42, 2, 668-678	https://doi.org/10.18280/ijht.420234	Aldabbas, M.A. (2024). The energy efficiency and environmental impact of coutant combustor type. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 668-678. https://doi.org/10.18280/ijht.420234
109	Salman, A.H., Jasim, J.A., Aljuboori, M.K.A., Zaidan, A.A.	Efficiency Analysis of a Two-Stage Evaporative Cooling System with Sustainable Water Pad	evaporative cooling, multi-stage evaporative, air-air heat exchanger, indirect evaporative cooling, air conditioning, energy efficiency	42, 2, 679-687	https://doi.org/10.18280/ijht.420235	Salman, A.H., Jasim, J.A., Aljuboori, M.K.A., Zaidan, A.A. (2024). Efficiency analysis of a two-stage evaporative cooling system with sustainable water pad. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 679-687. https://doi.org/10.18280/ijht.420235
110	Wang, J.Y.	Thermal Comfort Simulation in Furniture Design: Integrating Considerations of the Building Thermal Environment	furniture design, thermal comfort, building thermal environment, thermal exchange, energy efficiency	42, 2, 688-696	https://doi.org/10.18280/ijht.420236	Wang, J.Y. (2024). Thermal comfort simulation in furniture design: Integrating considerations of the building thermal environment. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 688-696. https://doi.org/10.18280/ijht.420236
111	Yuan, N., Ma, Z., Gong, C., Hou, X.H., Ji, Z.L.	Application of Machine Vision Based on the Second Law of Thermodynamics in High-Temperature Industrial Inspection	machine vision, high-temperature industrial inspection, second law of thermodynamics, entropy, multi-scale entropy, infrared image analysis	42, 2, 697-706	https://doi.org/10.18280/ijht.420237	Yuan, N., Ma, Z., Gong, C., Hou, X.H., Ji, Z.L. (2024). Application of machine vision based on the second law of thermodynamics in high-temperature industrial inspection. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 697-706. https://doi.org/10.18280/ijht.420237
112	Usmani, M.K., Deshmukh, S.P.	Experimental Study on Thermal Management of Solar Panels Using Wickless Heat Pipes	solar irradiance, solar panel, thermal management, wickless heat pipe, conversion efficiency, power output	42, 2, 707-719	https://doi.org/10.18280/ijht.420238	Usmani, M.K., Deshmukh, S.P. (2024). Experimental study on thermal management of solar panels using wickless heat pipes. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 2, pp. 707-719. https://doi.org/10.18280/ijht.420238
113	Buonomo, B., Manca, O., Nardini, S., Plomitallo, R.E.	Numerical Study on Phase Change Material with Metal Foam in Shell and Convergent/Divergent Tube Thermal Energy Storage Systems with External Heat Losses	thermal storage, latent heat storage, phase change material, metal foam, shell and tube system, heat losses	42, 1, 1-9	https://doi.org/10.18280/ijht.420101	Buonomo, B., Manca, O., Nardini, S., Plomitallo, R.E. (2024). Numerical study on phase change material with metal foam in shell and convergent/divergent tube thermal energy storage systems with external heat losses. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 1-9. https://doi.org/10.18280/ijht.420101
114	Benchadli, D., Zemmouri, A., Azzouz, S., Ayad, A., Brahim, B.	Analytical Modeling of Joule Heating in Electro-Thermal Contacts for Short-Term Industrial Applications	thermal transfer, electro-thermal contacts, Joule effect, thermal diffusivity	42, 1, 10-18	https://doi.org/10.18280/ijht.420102	Benchadli, D., Zemmouri, A., Azzouz, S., Ayad, A., Brahim, B. (2024). Analytical modeling of Joule heating in electro-thermal contacts for short-term industrial applications. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 10-18. https://doi.org/10.18280/ijht.420102
115	Cheng, J., Zhang, C.H., Sun, H.Z., Zhang, S.X., Zhao, J.Z.	Impact of Temperature Gradients on Multiphase Flow in Air Sparging Remediation Technology	air sparging remediation technology, multiphase flow, temperature gradients, temperature-pressure field coupled model, iterative solution algorithm, groundwater management	42, 1, 19-28	https://doi.org/10.18280/ijht.420103	Cheng, J., Zhang, C.H., Sun, H.Z., Zhang, S.X., Zhao, J.Z. (2024). Impact of temperature gradients on multiphase flow in air sparging remediation technology. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 19-28. https://doi.org/10.18280/ijht.420103
116	Bouguerne, F., Rahal, S., Brima, A., Batache, D., Belloufi, Y., Moummi, N.	Numerical Investigations of Natural Convection in a Cubical Enclosure with Various Protuberance Shapes	enclosure, protuberance, heat transfer, rough surface, natural convection	42, 1, 29-38	https://doi.org/10.18280/ijht.420104	Bouguerne, F., Rahal, S., Brima, A., Batache, D., Belloufi, Y., Moummi, N. (2024). Numerical investigations of natural convection in a cubical enclosure with various protuberance shapes. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 29-38. https://doi.org/10.18280/ijht.420104
117	Ennadafy, H., Jammoukh, M., Hilali, Y., Belouaggadia, N.	Thermogravimetric Analysis of Rigid PVC and Animal-Origin Bio-Composite: Experimental Study and Comparative Analysis	natural resources, biodiversity, biomaterials, innovative composites, BIOLOADS, thermogravimetric analysis	42, 1, 39-49	https://doi.org/10.18280/ijht.420105	Ennadafy, H., Jammoukh, M., Hilali, Y., Belouaggadia, N. (2024). Thermogravimetric analysis of rigid PVC and animal-origin bio-composite: Experimental study and comparative analysis. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 39-49. https://doi.org/10.18280/ijht.420105
118	Li, M., Zhao, P.Y., Gao, S.L.	Thermal Performance Analysis and Optimization Design of Building Exterior Wall Insulation Layers	building energy conservation, building exterior wall insulation layers, thermal performance, thermal bridges, optimization design	42, 1, 50-60	https://doi.org/10.18280/ijht.420106	Li, M., Zhao, P.Y., Gao, S.L. (2024). Thermal performance analysis and optimization design of building exterior wall insulation layers. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 50-60. https://doi.org/10.18280/ijht.420106
119	Alshareef, T.S.	The Effect of Wall's Porous Liner on MHD Couette Flow of Carreau Fluid in an Inclined Channel under the Convective Conditions	Carreau fluid, Couette flow, Pours liner, heat transfer, slip boundary conditions	42, 1, 61-70	https://doi.org/10.18280/ijht.420107	Alshareef, T.S. (2024). The effect of wall's porous liner on MHD Couette flow of Carreau fluid in an inclined channel under the convective conditions. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 61-70. https://doi.org/10.18280/ijht.420107

120	Nguyen, X.L., Choi, Y., Nguyen, H.L., Yu, S.	Reliability of Vapor Transport Measurement in a Hollow Fiber Membrane Humidifier	fuel cell, hollow fiber membrane, membrane humidifier, reliability, uncertainty analysis, vapor transport	42, 1, 71-78	https://doi.org/10.18280/ijht.420108	Nguyen, X.L., Choi, Y., Nguyen, H.L., Yu, S. (2024). Reliability of vapor transport measurement in a hollow fiber membrane humidifier. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 71-78. https://doi.org/10.18280/ijht.420108
121	Sun, Y., Lv, M.Q., Ji, S., Pei, W.H., Li, M.	Enhancing Heat Exchange Efficiency: Experimental and Numerical Analysis of Temperature Differential Absorption Heat Pumps	large temperature differential absorption (LTDA) heat pump system, heat exchange station, numerical simulation, heat exchange efficiency, operational adjustment methods	42, 1, 79-89	https://doi.org/10.18280/ijht.420109	Sun, Y., Lv, M.Q., Ji, S., Pei, W.H., Li, M. (2024). Enhancing heat exchange efficiency: Experimental and numerical analysis of temperature differential absorption heat pumps. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 79-89. https://doi.org/10.18280/ijht.420109
122	Younes, M.B., Altork, Y., Shaban, N.A.	Performance Evaluation of a Small Scale Ammonia-Water Absorption Cooling System for Off-Grid Rural Homes: A Numerical and Experimental Study	absorption cooling, solar cooling, experimental absorption cooling, EES, ammonia-water absorption chiller, renewable energy, thermal comfort, numerical modeling	42, 1, 90-100	https://doi.org/10.18280/ijht.420110	Younes, M.B., Altork, Y., Shaban, N.A. (2024). Performance evaluation of a small scale ammonia-water absorption cooling system for off-grid rural homes: A numerical and experimental study. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 90-100. https://doi.org/10.18280/ijht.420110
123	Najaf, F., Aslan, S.R.	Enhancing Water Purification in Solar Stills Through Incorporation of Renewable Energy Technology: An Experimental Study on the Efficiency and Cooling Mechanisms - A Review	cooling glass cover, drinking water, evacuated tube collector, solar still	42, 1, 101-110	https://doi.org/10.18280/ijht.420111	Najaf, F., Aslan, S.R. (2024). Enhancing water purification in solar stills through incorporation of renewable energy technology: An experimental study on the efficiency and cooling mechanisms - A review. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 101-110. https://doi.org/10.18280/ijht.420111
124	Dai, X.Y., Li, T.Y.	Real-Time Remote Monitoring and Overheating Early Warning of Thermodynamic State of Complex Equipment Systems Based on Computer Network Technology	complex equipment systems, thermodynamics state monitoring, real-time remote monitoring, overheating early warning, reconstruction error, single-class monitoring algorithm, statistical quantity monitoring, Bucket Sorting Fpgrowth algorithm	42, 1, 111-120	https://doi.org/10.18280/ijht.420112	Dai, X.Y., Li, T.Y. (2024). Real-time remote monitoring and overheating early warning of thermodynamic state of complex equipment systems based on computer network technology. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 111-120. https://doi.org/10.18280/ijht.420112
125	Majeed, A.H., Faraj, J.J., Hussien, F.M.	Enhancing Solar Drying Efficiency Through Indirect Solar Dryers Integrated with Phase Change Materials	solar drying technology, phase change materials (PCMs), thermal energy storage (TES), systems, indirect solar dryers, food dehydration efficiency	42, 1, 121-131	https://doi.org/10.18280/ijht.420113	Majeed, A.H., Faraj, J.J., Hussien, F.M. (2024). Enhancing solar drying efficiency through indirect solar dryers integrated with phase change materials. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 121-131. https://doi.org/10.18280/ijht.420113
126	Syaiful, Priyadi, M.U.Z., Yunianto, B., Sinaga, N.	Enhancing Heat Transfer in Rectangular Channels: An Experimental Study on Perforated Concave Delta Winglet Vortex Generators	convex delta winglet vortex generators (CxDW VGs), heat transfer enhancement, rectangular channel, thermal resistance reduction, airflow dynamics	42, 1, 132-140	https://doi.org/10.18280/ijht.420114	Syaiful, Priyadi, M.U.Z., Yunianto, B., Sinaga, N. (2024). Enhancing heat transfer in rectangular channels: An experimental study on perforated concave delta winglet vortex generators. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 132-140. https://doi.org/10.18280/ijht.420114
127	Pan, Y., Chen, G., Huang, C.S.	Thermodynamic Analysis of Thermal Stability in Recycled Concrete Derived from Building Solid Waste	construction solid waste, recycled concrete, thermal stability, multiphase heat conduction, grey relational analysis	42, 1, 141-152	https://doi.org/10.18280/ijht.420115	Pan, Y., Chen, G., Huang, C.S. (2024). Thermodynamic analysis of thermal stability in recycled concrete derived from building solid waste. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 141-152. https://doi.org/10.18280/ijht.420115
128	Partyka, J., Lipnicki, Z., Malolepszy, T.	Analytical and Experimental Study of the Solidification of a Water in the Horizontal Moisturized Porous Slabs	horizontal fluid-saturated porous granular bed, free convection, solidification front, solidified layer	42, 1, 153-163	https://doi.org/10.18280/ijht.420116	Partyka, J., Lipnicki, Z., Malolepszy, T. (2024). Analytical and experimental study of the solidification of a water in the horizontal moisturized porous slabs. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 153-163. https://doi.org/10.18280/ijht.420116
129	Hassene, B., Rachid, B.	Angle Inclination Effect on Vortex Breakdown Zone in Rotating Flow Inside a Vertical Conical Container	rotating flow, conical container, vortex breakdown, Reynolds number, aspect ratio	42, 1, 164-170	https://doi.org/10.18280/ijht.420117	Hassene, B., Rachid, B. (2024). Angle inclination effect on vortex breakdown zone in rotating flow inside a vertical conical container. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 164-170. https://doi.org/10.18280/ijht.420117
130	Chen, Y., Zhang, G.Q., Song, A., You, P.B.	Thermodynamic Properties of Composite Material Bridges Under Thermal Cycling	composite material bridges, thermal cycling, thermodynamic properties, heat transfer analysis, fatigue damage, constitutive model, temperature effect	42, 1, 171-182	https://doi.org/10.18280/ijht.420118	Chen, Y., Zhang, G.Q., Song, A., You, P.B. (2024). Thermodynamic properties of composite material bridges under thermal cycling. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 171-182. https://doi.org/10.18280/ijht.420118
131	Ahmed, M.A., Alabdaly, I.K., Hatem, S.M., Hussein, M.M.	Numerical Investigation on Heat Transfer Enhancement in Serpentine Mini-Channel Heat Sink	serpentine, mini-channel heat sink (MCHS), entropy generation, thermal-hydraulic performance	42, 1, 183-190	https://doi.org/10.18280/ijht.420119	Ahmed, M.A., Alabdaly, I.K., Hatem, S.M., Hussein, M.M. (2024). Numerical investigation on heat transfer enhancement in serpentine mini-channel heat sink. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 183-190. https://doi.org/10.18280/ijht.420119
132	Imran, M.S., Saleh, F.A.	The Effects of Dill Oil Biodiesel on CI Engine Emissions and Performance	CI engine, dill oil, biofuel	42, 1, 191-200	https://doi.org/10.18280/ijht.420120	Imran, M.S., Saleh, F.A. (2024). The effects of dill oil biodiesel on CI engine emissions and performance. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 191-200. https://doi.org/10.18280/ijht.420120
133	Belaghit, M., Saim, R.	Enhancing Geothermal Wellbore Heat Exchanger Performance Through Rectangular Protusion Integration in Repurposed Abandoned Oil Wells	computational fluid dynamics, coefficient of performance, geothermal energy, heat transfer, rectangular protusion, wellbore heat exchanger	42, 1, 201-209	https://doi.org/10.18280/ijht.420121	Belaghit, M., Saim, R. (2024). Enhancing geothermal wellbore heat exchanger performance through rectangular protusion integration in repurposed abandoned oil wells. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 201-209. https://doi.org/10.18280/ijht.420121
134	Xu, F., Li, X.L., Wang, C.C., Du, Y.S., Hou, N.N., Wang, Y.C.	Development and Validation of a Dynamic Simulation Model for Water Storage Heating Systems Powered by Electric Boilers in Elementary Schools	electric boiler, Transient System Simulation Program dynamic simulation, error analysis, simulation accuracy	42, 1, 210-218	https://doi.org/10.18280/ijht.420122	Xu, F., Li, X.L., Wang, C.C., Du, Y.S., Hou, N.N., Wang, Y.C. (2024). Development and validation of a dynamic simulation model for water storage heating systems powered by electric boilers in elementary schools. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 210-218. https://doi.org/10.18280/ijht.420122
135	Mahdi, M.M., Ebrahim, S.E.	A Review of BiOBr-Based Photocatalysts for Wastewater Treatment	wastewater treatment, photocatalytic process, BiOBr synthesis, BiOBr characteristics, BiOBr photo-degradation activity	42, 1, 219-237	https://doi.org/10.18280/ijht.420123	Mahdi, M.M., Ebrahim, S.E. (2024). A review of BiOBr-based photocatalysts for wastewater treatment. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 219-237. https://doi.org/10.18280/ijht.420123
136	Mangallo, D., Joni.	The Effect of Clay Insulator Use on Corn Cob Carbonization Reactor Heat Loss	carbonization reactors, charcoal production, clay insulators, convection heat, corn cobs, heat effectiveness, heat loss, radiant heat	42, 1, 238-244	https://doi.org/10.18280/ijht.420124	Mangallo, D., Joni. (2024). The effect of clay insulator use on corn cob carbonization reactor heat loss. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 238-244. https://doi.org/10.18280/ijht.420124

137	Kermiche, M., Abdelli, A., Sayoud, N., Sissaoui, H.	Three-Dimensional Numerical Simulation of Turbidity Impact on Solar Pond Thermal Performance	Kermiche, M., Abdelli, A., Sayoud, N., Sissaoui, H.	42, 1, 245-252	https://doi.org/10.18280/ijht.420125	Kermiche, M., Abdelli, A., Sayoud, N., Sissaoui, H. (2024). Three-dimensional numerical simulation of turbidity impact on solar pond thermal performance. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 245-252. https://doi.org/10.18280/ijht.420125
138	Huang, D., Huang, S.	Optimization Design and Thermodynamic Analysis of Thermal Management System for New Energy Vehicle Power Batteries	new energy vehicles, power battery, thermal management system, thermodynamic analysis, optimization design	42, 1, 253-262	https://doi.org/10.18280/ijht.420126	Huang, D., Huang, S. (2024). Optimization design and thermodynamic analysis of thermal management system for new energy vehicle power batteries. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 253-262. https://doi.org/10.18280/ijht.420126
139	Piarah, W.H., Yamani, M.R., Djafar, Z., Gunadin, I.C., Muslimin, Z., Arminah, B., Setyawan, I., Djafar, Z.	Enhancing Cooling Efficiency in Data Centers: An Evaluation of Heat Pipe Design in Air Ducts	data center, cooling system efficiency, flexible heat pipes, passive cooling technology, heat transfer, air ducts, temperature regulation	42, 1, 263-269	https://doi.org/10.18280/ijht.420127	Piarah, W.H., Yamani, M.R., Djafar, Z., Gunadin, I.C., Muslimin, Z., Arminah, B., Setyawan, I., Djafar, Z. (2024). Enhancing cooling efficiency in data centers: An evaluation of heat pipe design in air ducts. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 263-269. https://doi.org/10.18280/ijht.420127
140	Babu, N.J., Kumar, B.R.	Optimization of Heat Sink Geometry for Improved Thermoelectric Generator Efficiency	fin, heat sink, thermoelectric generator, heat dissipation, pressure loss	42, 1, 270-276	https://doi.org/10.18280/ijht.420128	Babu, N.J., Kumar, B.R. (2024). Optimization of heat sink geometry for improved thermoelectric generator efficiency. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 270-276. https://doi.org/10.18280/ijht.420128
141	Cheng, X.L., Zhang, X.J., Su, L.P.	Optimizing Tunnel Design in Sharp Curves: A Numerical Simulation of Fluid-Structure Interaction	fluid-structure interaction (FSI), sharp-curve tunnels, numerical simulation, global sensitivity analysis, multi-objective optimization, tunnel design	42, 1, 277-286	https://doi.org/10.18280/ijht.420129	Cheng, X.L., Zhang, X.J., Su, L.P. (2024). Optimizing tunnel design in sharp curves: A numerical simulation of fluid-structure interaction. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 277-286. https://doi.org/10.18280/ijht.420129
142	Salim, I.Z., Jassim, N.A.	Enhancing Thermal Efficiency in Steam Generators: An Analysis of Multi-Stage Helical Coils and Vertical Separators with Partition Walls	convection heat-transfer coefficient, steam generator, two phase flow	42, 1, 287-296	https://doi.org/10.18280/ijht.420130	Salim, I.Z., Jassim, N.A. (2024). Enhancing thermal efficiency in steam generators: An analysis of multi-stage helical coils and vertical separators with partition walls. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 287-296. https://doi.org/10.18280/ijht.420130
143	Hamzah, A.H., Al-Khafaji, H.M.H., Hussein, T.S.	Optimizing Aging Time to Maximize Hardness and Fatigue Strength of Al-4wt%Cu Alloy	aluminum alloy, heat treatment, hardness, fatigue strength	42, 1, 297-302	https://doi.org/10.18280/ijht.420131	Hamzah, A.H., Al-Khafaji, H.M.H., Hussein, T.S. (2024). Optimizing aging time to maximize hardness and fatigue strength of Al-4wt%Cu alloy. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 297-302. https://doi.org/10.18280/ijht.420131
144	Kasulanati, V.C.S.	Collective Slip Results on Mhd Unstable Flow on Porous Stretching Sheet	slip effects, MHD, unsteady, porous, stretching sheet	42, 1, 303-310	https://doi.org/10.18280/ijht.420132	Kasulanati, V.C.S. (2024). Collective slip results on Mhd unstable flow on porous stretching sheet. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 303-310. https://doi.org/10.18280/ijht.420132
145	Nashee, S.R.	Enhancement of Heat Transfer in Nanofluid Flow Through Elbows with Varied Cross-Sections: A Computational Study	nano-fluid, elbow, heat transfer, fluid flow, pressure drop	42, 1, 311-319	https://doi.org/10.18280/ijht.420133	Nashee, S.R. (2024). Enhancement of heat transfer in nanofluid flow through elbows with varied cross-sections: A computational study. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 311-319. https://doi.org/10.18280/ijht.420133
146	He, H., Wang, L., Liu, J., Qin, L.H.	Optimizing Cloud Service Load Balancing Through Heat Conduction Equation Applications	cloud services, load balancing, heat conduction equation, genetic algorithm, neural networks, adaptive dynamic algorithm, engine x	42, 1, 320-328	https://doi.org/10.18280/ijht.420134	He, H., Wang, L., Liu, J., Qin, L.H. (2024). Optimizing cloud service load balancing through heat conduction equation applications. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 320-328. https://doi.org/10.18280/ijht.420134
147	Kanuri, V.R., Kasulanati, V.C.S., Brahmanandam, P.S., Medinty, S.S.M.K.	Investigating Poiseuille Flows in Rotating Inclined Pipes: An Analytical Approach	Poiseuille flows, pressure gradient force, Coriolis force, Navier-Stokes system	42, 1, 329-336	https://doi.org/10.18280/ijht.420135	Kanuri, V.R., Kasulanati, V.C.S., Brahmanandam, P.S., Medinty, S.S.M.K. (2024). Investigating Poiseuille flows in rotating inclined pipes: An analytical approach. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 329-336. https://doi.org/10.18280/ijht.420135
148	Al-Akam, A., Abduljabbar, A.A., Abdulhamed, A.J., Ali, F.H., Al-Amir, Q.R., Hamzah, H.K.	Thermal Behavior of a PCM-Plywood Combination as Insulation for Buildings in a Hot Summer Condition	PCM, insulations, hot conditions, solar energy, sustainability	42, 1, 337-344	https://doi.org/10.18280/ijht.420136	Al-Akam, A., Abduljabbar, A.A., Abdulhamed, A.J., Ali, F.H., Al-Amir, Q.R., Hamzah, H.K. (2024). Thermal behavior of a PCM-plywood combination as insulation for buildings in a hot summer condition. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 337-344. https://doi.org/10.18280/ijht.420136
149	Pai, R.G., Lavanya, B., Raveendra, N., Chandrashekar, K.M.	Multiple Slip Effects on the Time Independent MHD Flow of a UCM Fluid over an Elongating Surface That Has Higher-Grade Chemical Reaction	velocity and concentration slip, unsteady, UCM fluid, Mass transport, shooting phenomena	42, 1, 345-352	https://doi.org/10.18280/ijht.420137	Pai, R.G., Lavanya, B., Raveendra, N., Chandrashekar, K.M. (2024). Multiple slip effects on the time independent MHD flow of a UCM fluid over an elongating surface that has higher-grade chemical reaction. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 345-352. https://doi.org/10.18280/ijht.420137
150	Thanthong, P., Chantawong, P., Khedari, J.	Improved Performance of a Radiative-Based Thermoelectric Power Generator with Vertical Finned Absorber: An Experimental Investigation	vertical/horizontal finned heat absorber, radiative heat exchange, waste heat recovery, thermoelectric power generation	42, 1, 353-357	https://doi.org/10.18280/ijht.420138	Thanthong, P., Chantawong, P., Khedari, J. (2024). Improved performance of a radiative-based thermoelectric power generator with vertical finned absorber: An experimental investigation. <i>International Journal of Heat and Technology</i> , Vol. 42, No. 1, pp. 353-357. https://doi.org/10.18280/ijht.420138
151	Hathal, M.M., Mohsen, O.A., Majdi, H.S., Hasan, B.O.	Optimization of Heat Transfer in Solar-Powered Biodiesel Reactors Using Alumina Nanofluids: A Combined Experimental and Numerical Study	biodiesel thermal reactor, solar system, nanofluid, computational fluid dynamics (CFD)	41, 6, 1397-1406	https://doi.org/10.18280/ijht.410601	Hathal, M.M., Mohsen, O.A., Majdi, H.S., Hasan, B.O. (2023). Optimization of heat transfer in solar-powered biodiesel reactors using alumina nanofluids: A combined experimental and numerical study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1397-1406. https://doi.org/10.18280/ijht.410601
152	Alwatban, A., Othman, H.	Numerical Analysis of Turbulent Air Flow Dynamics in a Rectangular Channel with Perforated Nozzle-Shaped Vertical Baffles	CFD, nozzle-shaped, vertical baffles, turbulent flow, coefficient of skin friction, turbulent kinetic energy, rectangular channel	41, 6, 1407-1416	https://doi.org/10.18280/ijht.410602	Alwatban, A., Othman, H. (2023). Numerical analysis of turbulent air flow dynamics in a rectangular channel with perforated nozzle-shaped vertical baffles. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1407-1416. https://doi.org/10.18280/ijht.410602
153	Pu, W.	Optimization of Energy Flow in Urban Microgrids: A Thermodynamic Analysis-Based Approach	urban microgrids, cogeneration of heat and power (CHP), energy flow optimization, rolling scheduling, real-time scheduling, thermodynamic analysis, cascaded recycling, renewable energy	41, 6, 1417-1426	https://doi.org/10.18280/ijht.410603	Pu, W. (2023). Optimization of energy flow in urban micro-grids: A thermodynamic analysis-based approach. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1417-1426. https://doi.org/10.18280/ijht.410603

154	Byregowda, G., Govindaswamy, R., Shivashankaran, V.	Influence of Open Area Ratio in Distributor on Wall to Bed Heat Transfer Coefficient from a Single Horizontal Tube to Fluidized Bed of Large Particles	air-solid, gas-solid, multiphase flow, shallow, static bed height	41, 6, 1427-1432	https://doi.org/10.18280/ijht.410604	Byregowda, G., Govindaswamy, R., Shivashankaran, V. (2023). Influence of open area ratio in distributor on wall to bed heat transfer coefficient from a single horizontal tube to fluidized bed of large particles. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1427-1432. https://doi.org/10.18280/ijht.410604
155	Elmnifi, M., Mansur, A.N., Abdul-Ghafoor, Q.J., Alrubaiy, A.A.A.G., Mustafa, M.A.S., Khaleel, M., Majdi, H.S., Nassar, Y.F., El-Khozondar, H.J.	Induction Heating for Residential Water Desalination: A Numerical Simulation and Experimental Evaluation	induction heating, water desalination, residential environment, numerical simulation	41, 6, 1433-1440	https://doi.org/10.18280/ijht.410605	Elmnifi, M., Mansur, A.N., Abdul-Ghafoor, Q.J., Alrubaiy, A.A.A.G., Mustafa, M.A.S., Khaleel, M., Majdi, H.S., Nassar, Y.F., El-Khozondar, H.J. (2023). Induction heating for residential water desalination: A numerical simulation and experimental evaluation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1433-1440. https://doi.org/10.18280/ijht.410605
156	Chen, L.F., Jin, R.B.	Thermal Expansion Behavior of Prefabricated Box Culverts and Its Impact on Structural Stability	prefabricated box culverts, thermal expansion behavior, three-dimensional stress, temperature-stress coupling, structural stability	41, 6, 1441-1452	https://doi.org/10.18280/ijht.410606	Chen, L.F., Jin, R.B. (2023). Thermal expansion behavior of prefabricated box culverts and its impact on structural stability. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1441-1452. https://doi.org/10.18280/ijht.410606
157	Hashim, H.S., Kassim, M.S., Alwan, R.A.	Investigation of Inlet Air Fogging as a Heat Transfer Enhancement Technique for Gas Turbines	gas turbine, fogging technique, heat transfer enhancement, cost benefit, computational fluid dynamics (CFD)	41, 6, 1453-1460	https://doi.org/10.18280/ijht.410607	Hashim, H.S., Kassim, M.S., Alwan, R.A. (2023). Investigation of inlet air fogging as a heat transfer enhancement technique for gas turbines. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1453-1460. https://doi.org/10.18280/ijht.410607
158	Korotkiy, I., Korotkaya, E., Neverov, E., Korotkikh, P.	Evaluating the Energy Efficiency and Environmental Impact of R134a Versus R744 Refrigerants in Refrigeration Systems	carbon dioxide refrigerating machine, energy efficiency, energy generation, utilization of condensation heat	41, 6, 1461-1467	https://doi.org/10.18280/ijht.410608	Korotkiy, I., Korotkaya, E., Neverov, E., Korotkikh, P. (2023). Evaluating the energy efficiency and environmental impact of R134a versus R744 refrigerants in refrigeration systems. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1461-1467. https://doi.org/10.18280/ijht.410608
159	Shen, T.Q., Sun, L.	Evaluating Energy Efficiency Potential in Residential Buildings in China's Hot Summer and Cold Winter Zones	hot summer and cold winter, building envelope, energy-saving potential, architectural energy efficiency	41, 6, 1468-1478	https://doi.org/10.18280/ijht.410609	Shen, T.Q., Sun, L. (2023). Evaluating energy efficiency potential in residential buildings in China's hot summer and cold winter zones. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1468-1478. https://doi.org/10.18280/ijht.410609
160	Shojaeefard, M.H., Al-Hamzawi, H.A.H., Sharfabad, M.M.	Evaluating the Performance of Photovoltaic Thermal Systems in Varied Climate Conditions: An Exergy and Energy Analysis Approach	photovoltaic thermal PV/T system, experimental setup, thermal and electrical performance, energy, exergy	41, 6, 1479-1488	https://doi.org/10.18280/ijht.410610	Shojaeefard, M.H., Al-Hamzawi, H.A.H., Sharfabad, M.M. (2023). Evaluating the performance of photovoltaic thermal systems in varied climate conditions: An exergy and energy analysis approach. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1479-1488. https://doi.org/10.18280/ijht.410610
161	Youcefi, S., Mokhefi, A., Bouzit, M., Youcefi, A.	Energy-Efficient Design Optimization of Two-Bladed Agitators in Cylindrical Tanks	stirred tank, two-bladed impeller, modified two-bladed impeller, numerical study, power consumption, axial flow	41, 6, 1489-1501	https://doi.org/10.18280/ijht.410611	Youcefi, S., Mokhefi, A., Bouzit, M., Youcefi, A. (2023). Energy-Efficient design optimization of two-bladed agitators in cylindrical tanks. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1489-1501. https://doi.org/10.18280/ijht.410611
162	Du, Z.J., Ran, Y.L., Qin, P.H., Li, C.H., Li, X.M., Zhang, L.Y.	Adsorption Thermodynamics and Transport Dynamics of Nitrogen and Phosphorus in Small and Medium-Sized Rivers: An Analytical Study	small and medium-sized rivers, nitrogen and phosphorus pollution, adsorption isotherms, thermodynamic analysis, temperature influence; mathematical model, pollution control, ecological restoration	41, 6, 1502-1512	https://doi.org/10.18280/ijht.410612	Du, Z.J., Ran, Y.L., Qin, P.H., Li, C.H., Li, X.M., Zhang, L.Y. (2023). Adsorption thermodynamics and transport dynamics of nitrogen and phosphorus in small and medium-sized rivers: An analytical study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1502-1512. https://doi.org/10.18280/ijht.410612
163	Jemal, T., Shimels, S., Ali, Y., Fatoba, S.O.	Impact of Turbulent Flow on H-Type Vertical Axis Wind Turbine Efficiency: An Experimental and Numerical Study	power performance, turbulence intensity (TI), H-type wind turbine (HAWT), numerical modeling, power coefficient, wind velocity	41, 6, 1513-1520	https://doi.org/10.18280/ijht.410613	Jemal, T., Shimels, S., Ali, Y., Fatoba, S.O. (2023). Impact of turbulent flow on H-type vertical axis wind turbine efficiency: An experimental and numerical study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1513-1520. https://doi.org/10.18280/ijht.410613
164	Almyali, H.M., Al Dulaimi, Z.M.H.	Dynamic Behaviors of Flame Propagation in Premixed Iraqi LPG-Air in a Horizontal Cylindrical Combustion Chamber	combustion behavior, flame propagation, ILPG-air, tulip flame, turbulence models	41, 6, 1521-1532	https://doi.org/10.18280/ijht.410614	Almyali, H.M., Al Dulaimi, Z.M.H. (2023). Dynamic behaviors of flame propagation in premixed Iraqi LPG-air in a horizontal cylindrical combustion chamber. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1521-1532. https://doi.org/10.18280/ijht.410614
165	Hua, S.H., Tong, X.R., Qu, Q., Xu, Y.	Impact of High Altitude Low Pressure Environments on Fire Smoke Propagation in Highway Tunnels	dual heat source, ambient pressure, low pressure and low oxygen, vertical shaft ventilation, tunnel fire simulation	41, 6, 1533-1542	https://doi.org/10.18280/ijht.410615	Hua, S.H., Tong, X.R., Qu, Q., Xu, Y. (2023). Impact of high altitude low pressure environments on fire smoke propagation in highway tunnels. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1533-1542. https://doi.org/10.18280/ijht.410615
166	Rashid, F.L., Basem, A., Hussein, A.K., Al-Obaidi, M.A., Ben Hamida, M.B.	Advancements and Innovations in Thermodynamics for Infant Incubators: A Review	infant incubator, energy storage, thermal insulation, temperature, humidity	41, 6, 1543-1553	https://doi.org/10.18280/ijht.410616	Rashid, F.L., Basem, A., Hussein, A.K., Al-Obaidi, M.A., Ben Hamida, M.B. (2023). Advancements and innovations in thermodynamics for infant incubators: A review. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1543-1553. https://doi.org/10.18280/ijht.410616
167	Hamadalla, M.W., Jumaah, O.M., Mohamed, S.J., Karash, E.T., Khaleel, M.H.	Enhanced Performance of Vapor Compression Air Conditioners Using TiO2 Nanoparticle-Oil Additives	compression, freon, air conditioners, nanoparticle-oil, power consumption	41, 6, 1554-1560	https://doi.org/10.18280/ijht.410617	Hamadalla, M.W., Jumaah, O.M., Mohamed, S.J., Karash, E.T., Khaleel, M.H. (2023). Enhanced performance of vapor compression air conditioners using TiO2 nanoparticle-oil additives. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1554-1560. https://doi.org/10.18280/ijht.410617
168	Yang, W., You, P.B.	Thermal Stress Analysis and Fatigue Life Assessment of Bridge Structures under Multi-Physical Field Coupling	multi-field coupling, bridge structures, thermal stress analysis, fatigue life assessment, stiffness degradation, load-bearing capacity, residual life	41, 6, 1561-1572	https://doi.org/10.18280/ijht.410618	Yang, W., You, P.B. (2023). Thermal stress analysis and fatigue life assessment of bridge structures under multi-physical field coupling. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1561-1572. https://doi.org/10.18280/ijht.410618
169	Mohammed Ali, M.F., Resen, I.S., Ibrahim, I.J.	Capillary Tube Length and Heat Transfer Dynamics in Air Conditioners: A Comparative Analysis of R-12 and Its Alternatives	adiabatic capillary tube, air conditioners, EES, R134a, R-12, two-phase	41, 6, 1573-1580	https://doi.org/10.18280/ijht.410619	Mohammed Ali, M.F., Resen, I.S., Ibrahim, I.J. (2023). Capillary tube length and heat transfer dynamics in air conditioners: A comparative analysis of R-12 and its alternatives. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1573-1580. https://doi.org/10.18280/ijht.410619
170	Sulistyo, Utomo, M.S.K.T.S., Rahman, R.A.	Enhancing Latent Thermal Battery Performance: A Study of Multistage Organic Phase Change Material Systems	energy, heat, phase change material, storage, thermal	41, 6, 1581-1586	https://doi.org/10.18280/ijht.410620	Sulistyo, Utomo, M.S.K.T.S., Rahman, R.A. (2023). Enhancing latent thermal battery performance: A study of multistage organic phase change material systems. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1581-1586. https://doi.org/10.18280/ijht.410620

171	Zhang, M.	Enhanced Estimation of Thermodynamic Parameters: A Hybrid Approach Integrating Rough Set Theory and Deep Learning	thermodynamic parameter estimation, deep learning, rough set theory, one-dimensional multi-regional coupled temperature field model, model identification	41, 6, 1587-1595	https://doi.org/10.18280/ijht.410621	Zhang, M. (2023). Enhanced estimation of thermodynamic parameters: A hybrid approach integrating rough set theory and deep learning. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1587-1595. https://doi.org/10.18280/ijht.410621
172	Rominyi, O.L., Akintunde, M.A., Bello, E.I., Lajide, L., Ikumapayi, O.M.	Development and Evaluation of a Batch-Reactor for Catalytic Depolymerization of Polymeric Waste for Liquid and Gaseous Fuel Production	activated carbon, batch reactor, depolymerization, energy conversion, polymeric waste, catalytic depolymerization, Polyethylene Terephthalate (PET)	41, 6, 1596-1604	https://doi.org/10.18280/ijht.410622	Rominyi, O.L., Akintunde, M.A., Bello, E.I., Lajide, L., Ikumapayi, O.M. (2023). Development and evaluation of a batch-reactor for catalytic depolymerization of polymeric waste for liquid and gaseous fuel production. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1596-1604. https://doi.org/10.18280/ijht.410622
173	Warbhe, S., Gujarkar, V.	Investigating Thermal Deflection in a Finite Hollow Cylinder Using Quasi-Static Approach and Space-Time Fractional Heat Conduction Equation	integral transform, thermal deflection, fractional thermoelasticity, Mittag Leffler function, quasi-static	41, 6, 1605-1610	https://doi.org/10.18280/ijht.410623	Warbhe, S., Gujarkar, V. (2023). Investigating thermal deflection in a finite hollow cylinder using quasi-static approach and space-time fractional heat conduction equation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1605-1610. https://doi.org/10.18280/ijht.410623
174	Dong, J.	Development and Optimization of Automated Control Methods for Thermal Systems Focused on Energy Efficiency and Comfort Enhancement	thermal systems, energy efficiency analysis, user heat comfort modeling, fuzzy-PID control, automated control	41, 6, 1611-1620	https://doi.org/10.18280/ijht.410624	Dong, J. (2023). Development and optimization of automated control methods for thermal systems focused on energy efficiency and comfort enhancement. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1611-1620. https://doi.org/10.18280/ijht.410624
175	Jalil, S.J., Anjel, H.A.	Emission and Combustion Characteristics of Different Diesel Fuels Produced in Kurdistan-Region - Iraq	diesel engine, combustion, emissions	41, 6, 1621-1626	https://doi.org/10.18280/ijht.410625	Jalil, S.J., Anjel, H.A. (2023). Emission and combustion characteristics of different diesel fuels produced in Kurdistan-region - Iraq. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1621-1626. https://doi.org/10.18280/ijht.410625
176	Chara-Dackou, V.S., Njomo, D., Tchinda, R., Kondji, Y.S., Legue, D.R.K., Babikir, M.H.	Estimation of Solar Radiation and Feasibility Analysis of a Concentrating Solar Power Plant in Birao, Central African Republic	solar radiation estimation, concentrating solar power, techno-economic analysis, Central African Republic	41, 6, 1627-1638	https://doi.org/10.18280/ijht.410626	Chara-Dackou, V.S., Njomo, D., Tchinda, R., Kondji, Y.S., Legue, D.R.K., Babikir, M.H. (2023). Estimation of solar radiation and feasibility analysis of a concentrating solar power plant in Birao, Central African Republic. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1627-1638. https://doi.org/10.18280/ijht.410626
177	Li, H.N., Lin, Y.	Solidification and Conformation of Ionic Liquid 1-Ethyl-3-Methylimidazolium Trifluoroacetate under High Pressure	imidazolium-based ionic liquids, high pressure, Raman spectra, phase transition, conformation	41, 6, 1639-1644	https://doi.org/10.18280/ijht.410627	Li, H.N., Lin, Y. (2023). Solidification and conformation of ionic liquid 1-ethyl-3-methylimidazolium trifluoroacetate under high pressure. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1639-1644. https://doi.org/10.18280/ijht.410627
178	Alhaily, N.F.	Sizing the Nuclear Reactor by Critical Mass Calculation for a Spherical Reactor Case Study	neutron diffusion equation, neutron transport theory, critical mass, nuclear energy, nuclear spherical core size, PWR, sustaining chain reaction, CO2 emissions	41, 6, 1645-1654	https://doi.org/10.18280/ijht.410628	Alhaily, N.F. (2023). Sizing the nuclear reactor by critical mass calculation for a spherical reactor case study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1645-1654. https://doi.org/10.18280/ijht.410628
179	Shams, O.A., Abdulrazig, O.D.H., Sanousy, S.M., Elmifi, M., Jassim, L., Majdi, H.S., Habeeb, L.J.	Modeling of Electricity Generation Using Smart Piezoelectric-Materials	smart materials, piezoelectric, electricity, energy harvesting	41, 6, 1655-1660	https://doi.org/10.18280/ijht.410629	Shams, O.A., Abdulrazig, O.D.H., Sanousy, S.M., Elmifi, M., Jassim, L., Majdi, H.S., Habeeb, L.J. (2023). Modeling of electricity generation using smart piezoelectric-materials. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1655-1660. https://doi.org/10.18280/ijht.410629
180	Bai, H., Kong, W.Y., Wang, Z.Y., Tian, L.X.	Thermodynamic Analysis of Thermal Efficiency and Entropy Production in Distributed Energy Storage Systems within Power Distribution Networks	distributed energy storage systems, thermal efficiency, entropy production, transient heat transfer model, non-thermal equilibrium, exergy analysis, power distribution networks	41, 6, 1661-1671	https://doi.org/10.18280/ijht.410630	Bai, H., Kong, W.Y., Wang, Z.Y., Tian, L.X. (2023). Thermodynamic analysis of thermal efficiency and entropy production in distributed energy storage systems within power distribution networks. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 6, pp. 1661-1671. https://doi.org/10.18280/ijht.410630
181	Nkol, F.P.N., Freidy, E.J., Banta, N.J.I., Yotchou, G.V.T., Abbe, C.V.N., Mouangué, R.M.	Simulating the Effect of Methanol and Spray Tilt Angle on Pollutant Emission of a Diesel Engine Using Different Turbulence Models	methanol, Computational Fluid Dynamics (CFD), turbulence, pollutant emissions, spray angle, diesel engine	41, 5, 1105-1120	https://doi.org/10.18280/ijht.410501	Nkol, F.P.N., Freidy, E.J., Banta, N.J.I., Yotchou, G.V.T., Abbe, C.V.N., Mouangué, R.M. (2023). Simulating the effect of methanol and spray tilt angle on pollutant emission of a diesel engine using different turbulence models. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1105-1120. https://doi.org/10.18280/ijht.410501
182	Salim, I.Z., Jassim, N.A.	Supersonic Nozzle Location in Steam Ejector Effect on the Mass Fraction and Vacuum of Second Fluid	Converging-Diverging Nozzle, desalination, mixer, steam ejector	41, 5, 1121-1128	https://doi.org/10.18280/ijht.410502	Salim, I.Z., Jassim, N.A. (2023). Supersonic nozzle location in steam ejector effect on the mass fraction and vacuum of second fluid. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1121-1128. https://doi.org/10.18280/ijht.410502
183	Rezaigui, I., Mebrouk, R., Kadja, M.	Effect of Nanoparticle Material, Porosity and Thermal Radiation on Forced Convection Heat Transfer of Cu-Water and CuO-Water Nanofluids over a Stretching Sheet	stretching sheet, nanofluid, forced convection, porous medium, nanofluid heat transfer, numerical simulation, magnetohydrodynamics	41, 5, 1129-1138	https://doi.org/10.18280/ijht.410503	Rezaigui, I., Mebrouk, R., Kadja, M. (2023). Effect of nanoparticle material, porosity and thermal radiation on forced convection heat transfer of Cu-water and CuO-water nanofluids over a stretching sheet. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1129-1138. https://doi.org/10.18280/ijht.410503
184	Bai, H., Kong, W.Y., Wang, Z.Y., Tian, L.X.	Synergistic Strategies in Multi-Energy Systems: Thermodynamic Constraints within Distribution Networks	thermodynamics, multi-energy systems, distribution network, economic cost, thermodynamic efficiency, synergistic strategy	41, 5, 1139-1150	https://doi.org/10.18280/ijht.410504	Bai, H., Kong, W.Y., Wang, Z.Y., Tian, L.X. (2023). Synergistic strategies in multi-energy systems: Thermodynamic constraints within distribution networks. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1139-1150. https://doi.org/10.18280/ijht.410504
185	Neverov, E.N., Korotkiy, I.A., Korotkih, P.S., Ivanova, L.A.	Development of an Energy Efficient Refrigeration Unit Using Carbon Dioxide as a Natural Refrigerant	carbon dioxide, ecology, heat recuperation, heat transfer, freezing rate, direct contact with carbon dioxide	41, 5, 1151-1157	https://doi.org/10.18280/ijht.410505	Neverov, E.N., Korotkiy, I.A., Korotkih, P.S., Ivanova, L.A. (2023). Development of an energy efficient refrigeration unit using carbon dioxide as a natural refrigerant. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1151-1157. https://doi.org/10.18280/ijht.410505
186	Thaker, A.S., Hussien, F.M., Faraj, J.J.	Numerical Simulation of an Indirect Solar Dryer Equipped with Thermal Conduction Enhancer Augmented Phase Change Materials (PCMs) for Banana Drying	indirect solar dryer, moisture content, drying rate, PCM, ANSYS, numerical	41, 5, 1158-1166	https://doi.org/10.18280/ijht.410506	Thaker, A.S., Hussien, F.M., Faraj, J.J. (2023). Numerical simulation of an indirect solar dryer equipped with thermal conduction enhancer augmented phase change materials (PCMs) for banana drying. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1158-1166. https://doi.org/10.18280/ijht.410506
187	Almutlaq, A., Alyahya, S.	Effects of Brine Feed Rate and Number of Stages on Water Yield of Vertical Multi Effects Diffusion Solar Distillation Unit: Experimental Study	solar energy, sea water, desalination, sustainability, thermal power, solar still	41, 5, 1167-1176	https://doi.org/10.18280/ijht.410507	Almutlaq, A., Alyahya, S. (2023). Effects of brine feed rate and number of stages on water yield of vertical multi effects diffusion solar distillation unit: Experimental study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1167-1176. https://doi.org/10.18280/ijht.410507

188	Yu, Y., Su, Y.N., Zhao, X.S., Liang, M.N., Li, Y.K.	Analysis of Critical Thermodynamic Parameters in Oil-Based Drilling Fluids: Implications for Wellbore Temperature Control	failure of rotary steering tools, wellbore temperature, oil-based drilling fluids, thermodynamic parameters, sensitivity analysis	41, 5, 1177-1186	https://doi.org/10.18280/ijht.410508	Yu, Y., Su, Y.N., Zhao, X.S., Liang, M.N., Li, Y.K. (2023). Analysis of critical thermodynamic parameters in oil-based drilling fluids: Implications for wellbore temperature control. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1177-1186. https://doi.org/10.18280/ijht.410508
189	Amar, H., Abdelbaki, M., Zeroual, A.	Effects of Synthetic Atmosphere and Strain Rate on NO Emission from a Biogas/Hydrogen Mixture in MILD Combustion	biogas/hydrogen mixture, flame relative temperature, MILD combustion, NO emission, CO2 chemical effect	41, 5, 1187-1194	https://doi.org/10.18280/ijht.410509	Amar, H., Abdelbaki, M., Zeroual, A. (2023). Effects of synthetic atmosphere and strain rate on NO emission from a biogas/hydrogen mixture in MILD combustion. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1187-1194. https://doi.org/10.18280/ijht.410509
190	Al-Luhaibi, R.A., Nazzal, I.T.	Investigation of Heat Sinks with Different Perforation Patterns	heat sink, forced convection, perforated fin, perforation arrangement	41, 5, 1195-1204	https://doi.org/10.18280/ijht.410510	Al-Luhaibi, R.A., Nazzal, I.T. (2023). Investigation of heat sinks with different perforation patterns. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1195-1204. https://doi.org/10.18280/ijht.410510
191	Tarek, N., Elhadj, B., Mohammed, H., Khadidja, A.	Numerical Simulation of Fluid-Structure Interaction in Undulated Cavity	numerical simulations, fluid-structure interaction, natural convection FSI effects, geometry ratio, finite element modeling, corrugated geometry	41, 5, 1205-1216	https://doi.org/10.18280/ijht.410511	Tarek, N., Elhadj, B., Mohammed, H., Khadidja, A. (2023). Numerical simulation of fluid-structure interaction in undulated cavity. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1205-1216. https://doi.org/10.18280/ijht.410511
192	Huang, S., Huang, D.	Deep Learning-Based Cooperative Modelling of Thermal Flow and Stress Fields in Laser Powder Bed Fusion	Laser Powder Bed Fusion (LPBF), thermal flow, stress field, deep learning, thermal distortion prediction	41, 5, 1217-1225	https://doi.org/10.18280/ijht.410512	Huang, S., Huang, D. (2023). Deep learning-based cooperative modelling of thermal flow and stress fields in laser powder bed fusion. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1217-1225. https://doi.org/10.18280/ijht.410512
193	Rashid, F.L., Basem, A., Al-Obaidi, M.A., Jawad, S.A., Hussein, A.K., Ali, B., Hamida, M.B.B.	An Examination of Air-Bubble Injection Mechanisms for Optimising Heat Transfer in Industrial Applications	air bubble injection, heat exchanger, solar water collector, solar still	41, 5, 1226-1248	https://doi.org/10.18280/ijht.410513	Rashid, F.L., Basem, A., Al-Obaidi, M.A., Jawad, S.A., Hussein, A.K., Ali, B., Hamida, M.B.B. (2023). An examination of air-bubble injection mechanisms for optimising heat transfer in industrial applications. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1226-1248. https://doi.org/10.18280/ijht.410513
194	Shevchenko, T.V., Ustinova, Y.V., Popov, A.M., Ermolaeva, E.O., Uzunov, G.B., Gryaznova, N.L., Khakimova, E.D.	Influence of Microwave Energy and Agitation on the Physicochemical Properties of Natural Mineral Water	agitation, atoms, ions, microwave radiation, mineral water, physical and chemical activation of water systems	41, 5, 1249-1254	https://doi.org/10.18280/ijht.410514	Shevchenko, T.V., Ustinova, Y.V., Popov, A.M., Ermolaeva, E.O., Uzunov, G.B., Gryaznova, N.L., Khakimova, E.D. (2023). Influence of microwave energy and agitation on the physicochemical properties of natural mineral water. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1249-1254. https://doi.org/10.18280/ijht.410514
195	Arifin, Z., Prasetyo, S.D., Rachmanto, R.A., Juwana, W.E., Yohana, E., Widhiyanuriawan, D.	Optimizing Photovoltaic Thermal Collector Temperature with Varying Number of Collectors: A CFD Simulation Study	solar energy, PVT, collector, Solidworks	41, 5, 1255-1263	https://doi.org/10.18280/ijht.410515	Arifin, Z., Prasetyo, S.D., Rachmanto, R.A., Juwana, W.E., Yohana, E., Widhiyanuriawan, D. (2023). Optimizing photovoltaic thermal collector temperature with varying number of collectors: A CFD simulation study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1255-1263. https://doi.org/10.18280/ijht.410515
196	Wang, H., Zhao, X.T., Deng, Y.X.	Examining the Influence of Thermal Stress on the Seismic Resilience of Prefabricated Box Culverts	prefabricated box culverts, elevated temperature, thermal stress-strain relationship, dynamical constitutive model, seismic resilience	41, 5, 1264-1272	https://doi.org/10.18280/ijht.410516	Wang, H., Zhao, X.T., Deng, Y.X. (2023). Examining the influence of thermal stress on the seismic resilience of prefabricated box culverts. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1264-1272. https://doi.org/10.18280/ijht.410516
197	Idan Al-Chlaihawi, K.K., Alyas, B.H., Badr, A.A.	CFD Based Numerical Performance Assessment of a Solar Air Heater Duct Roughened by Transverse - Trapezoidal Sectioned Ribs	solar air heater, artificial roughness, numerical simulation, turbulence modeling, heat transfer enhancement, RNG k-ε model	41, 5, 1273-1281	https://doi.org/10.18280/ijht.410517	Idan Al-Chlaihawi, K.K., Alyas, B.H., Badr, A.A. (2023). CFD based numerical performance assessment of a solar air heater duct roughened by transverse - trapezoidal sectioned ribs. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1273-1281. https://doi.org/10.18280/ijht.410517
198	Benhacene, O., Boucetta, R.	Impact of Upward Turbulent Flow on Wax Deposition in Heavy Viscous Oil Pipelines: A Numerical Simulation	wax deposit, turbulent flow, upward flow in pipelines, molecular diffusion, heat transfer	41, 5, 1282-1290	https://doi.org/10.18280/ijht.410518	Benhacene, O., Boucetta, R. (2023). Impact of upward turbulent flow on wax deposition in heavy viscous oil pipelines: A numerical simulation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1282-1290. https://doi.org/10.18280/ijht.410518
199	Li, P., Ran, Y.L., Li, X.M., Han, Z., Zhang, Y., Zhang, L.Y., Du, Z.J., Wu, X.M.	Thermal Equilibrium Analysis of Small-to-Medium River Ecosystems in Northern China under Multi-Factor Coupling and Decision-Making for Ecological Restoration	small-to-medium river ecosystems, northern China, ecological systems, thermal adaptability, microbial activity, bio-regulation, multi-factor coupling, ecological restoration decision-making	41, 5, 1291-1300	https://doi.org/10.18280/ijht.410519	Li, P., Ran, Y.L., Li, X.M., Han, Z., Zhang, Y., Zhang, L.Y., Du, Z.J., Wu, X.M. (2023). Thermal equilibrium analysis of small-to-medium river ecosystems in northern China under multi-factor coupling and decision-making for ecological restoration. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1291-1300. https://doi.org/10.18280/ijht.410519
200	Khaled, R.A., Mushatet, K.S.	CFD Analysis for a Twisted Elliptical Double Tube Heat Exchangers Integrated with a Twisted Tape	double elliptical twisted tubes, twisted tape, heat exchanger, CFD	41, 5, 1301-1308	https://doi.org/10.18280/ijht.410520	Khaled, R.A., Mushatet, K.S. (2023). CFD analysis for a twisted elliptical double tube heat exchangers integrated with a twisted tape. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1301-1308. https://doi.org/10.18280/ijht.410520
201	Ali, F., Habib, M., Rachid, S.	Numerical Prediction of a Turbulent Flow with Double Annular Jets for Different Reynolds Numbers	annular jets, double jet annular flow, burner jet, turbulent flow	41, 5, 1309-1316	https://doi.org/10.18280/ijht.410521	Ali, F., Habib, M., Rachid, S. (2023). Numerical prediction of a turbulent flow with double annular jets for different Reynolds numbers. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1309-1316. https://doi.org/10.18280/ijht.410521
202	Wu, S.Z., Han, M.	Thermodynamic Modelling for Heat Analysis and Prediction in Precision Transmission Systems: A Focus on Gear Operation	precision transmission systems, gear dynamics, heat analysis, advanced thermodynamic modelling, Temporal Convolutional Network (TCN)	41, 5, 1317-1326	https://doi.org/10.18280/ijht.410522	Wu, S.Z., Han, M. (2023). Thermodynamic modelling for heat analysis and prediction in precision transmission systems: A focus on gear operation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1317-1326. https://doi.org/10.18280/ijht.410522
203	Ma'a, M., Pranoto, I., Kamal, S.	Enhanced Heat Transfer Mechanisms in a Horizontal Annular Heat Exchanger Utilizing a Central Tubular Heater	heat transfer characteristics, heat transfer enhancement, Nusselt number, friction factor, annular heat exchanger, tubular heater	41, 5, 1327-1334	https://doi.org/10.18280/ijht.410523	Ma'a, M., Pranoto, I., Kamal, S. (2023). Enhanced heat transfer mechanisms in a horizontal annular heat exchanger utilizing a central tubular heater. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1327-1334. https://doi.org/10.18280/ijht.410523
204	Agalave, G.B., Deshmukh, B.B., Kulkarni, P.R.	Integration of Solar Flat Plate Collector and Thermal Energy Storage for Heating Applications: An Experimental Study	thermal energy storage, solar flat plate collector, phase change material, heat exchanger	41, 5, 1335-1340	https://doi.org/10.18280/ijht.410524	Agalave, G.B., Deshmukh, B.B., Kulkarni, P.R. (2023). Integration of solar flat plate collector and thermal energy storage for heating applications: An experimental study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1335-1340. https://doi.org/10.18280/ijht.410524

205	Liu, C.Y., Bai, L.Y.	Thermodynamic Modelling for the Prediction and Optimisation of Long-Term Performance in Wooden Structures	ancient architecture, wooden structures, thermodynamic model, Strain, chicken swarm optimisation algorithm, performance optimisation	41, 5, 1341-1348	https://doi.org/10.18280/ijht.410525	Liu, C.Y., Bai, L.Y. (2023). Thermodynamic modelling for the prediction and optimisation of long-term performance in wooden structures. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1341-1348. https://doi.org/10.18280/ijht.410525
206	Ahmed, M.A., Alabdaly, I.K., Hatema, S.M., Hussein, M.M.	Numerical Investigation of Hydrothermal Performance and Entropy Generation Through Backward Facing Step Channel with Oval Rib	backward facing step, oval rib, entropy generation, laminar flow, finite volume method	41, 5, 1349-1357	https://doi.org/10.18280/ijht.410526	Ahmed, M.A., Alabdaly, I.K., Hatema, S.M., Hussein, M.M. (2023). Numerical investigation of hydrothermal performance and entropy generation through backward facing step channel with oval rib. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1349-1357. https://doi.org/10.18280/ijht.410526
207	Belahmadi, E., Bessaïh, R.	Heat Transfer and Entropy Generation Minimization in a Lid-Driven Enclosure Filled with Nanofluid	heat transfer, entropy generation, heated cylinders, lid-driven enclosure, nanofluids	41, 5, 1358-1364	https://doi.org/10.18280/ijht.410527	Belahmadi, E., Bessaïh, R. (2023). Heat transfer and entropy generation minimization in a lid-driven enclosure filled with nanofluid. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1358-1364. https://doi.org/10.18280/ijht.410527
208	Rahayu, S.S., Susastriawan, A.A.P., Surahmanto, F., Firmansyah, M.R., Kurniawan, G.	Energy Efficiency of a Biomass Powered Dryer: An Analysis of Flue Gas Velocity Effects During Chili Drying	biomass, dryer, energy, flue gas, exergy	41, 5, 1365-1373	https://doi.org/10.18280/ijht.410528	Rahayu, S.S., Susastriawan, A.A.P., Surahmanto, F., Firmansyah, M.R., Kurniawan, G. (2023). Energy efficiency of a biomass powered dryer: An analysis of flue gas velocity effects during chili drying. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1365-1373. https://doi.org/10.18280/ijht.410528
209	Jin, C.Y.	Combining Thermodynamics with Architectural Design Concepts: Thermal Comfort and Sustainability of Railway Passenger Stations	railway passenger stations, thermal comfort, sustainability, structural equation model, importance performance analysis model	41, 5, 1374-1382	https://doi.org/10.18280/ijht.410529	Jin, C.Y. (2023). Combining thermodynamics with architectural design concepts: Thermal comfort and sustainability of railway passenger stations. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1374-1382. https://doi.org/10.18280/ijht.410529
210	Ali, F.A., Alsaffawi, A.M.	Friction Factor and Heat Transfer Enhancement of Hybrid Nanofluids in a Heated Circular Tube	hybrid nanofluids, performance, Nusselt number, heated tube	41, 5, 1383-1388	https://doi.org/10.18280/ijht.410530	Ali, F.A., Alsaffawi, A.M. (2023). Friction factor and heat transfer enhancement of hybrid nanofluids in a heated circular tube. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1383-1388. https://doi.org/10.18280/ijht.410530
211	Qi, G.K., Xia, Z.L.	Virtual Reality-Enhanced Fluid Dynamics for Thermodynamic and Hydrodynamic Evaluation in Valve Design	virtual reality integration, fluid dynamics, thermodynamics, valve design evaluation, simulation system, performance enhancement	41, 5, 1389-1395	https://doi.org/10.18280/ijht.410531	Qi, G.K., Xia, Z.L. (2023). Virtual reality-enhanced fluid dynamics for thermodynamic and hydrodynamic evaluation in valve design. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 5, pp. 1389-1395. https://doi.org/10.18280/ijht.410531
212	Martinazzoli, G., Grassi, B., Pasinelli, D., Lezzi, A.M., Pilotelli, M.	Comparative Analysis of Thermal Energy Storage Performance in District Heating Networks: Evaluating the Impact of Different Injection Systems	district heating, flow-straightening, TES tank, thermocline, toroidal manifolds	41, 4, 789-798	https://doi.org/10.18280/ijht.410401	Martinazzoli, G., Grassi, B., Pasinelli, D., Lezzi, A.M., Pilotelli, M. (2023). Comparative analysis of thermal energy storage performance in district heating networks: Evaluating the impact of different injection systems. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 789-798. https://doi.org/10.18280/ijht.410401
213	Malavasi, M., Cattani, L., Benelli, A., Pagliarini, L., Bozzoli, F.	Evaluating Heat Release Rate in Oenological Fermentation: An Innovative Methodology	fermentation heat, wine industry, inverse problem	41, 4, 799-807	https://doi.org/10.18280/ijht.410402	Malavasi, M., Cattani, L., Benelli, A., Pagliarini, L., Bozzoli, F. (2023). Evaluating heat release rate in oenological fermentation: An innovative methodology. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 799-807. https://doi.org/10.18280/ijht.410402
214	Alhendal, Y., Touzani, S.	Influence of Inclination Angles on Convective Heat Transfer in Solar Panels	angle of attack, inclined plate, heat transfer, solar panel, turbulence modeling	41, 4, 808-814	https://doi.org/10.18280/ijht.410403	Alhendal, Y., Touzani, S. (2023). Influence of inclination angles on convective heat transfer in solar panels. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 808-814. https://doi.org/10.18280/ijht.410403
215	Kato, Y., Guo, G.M., Kamigaki, M., Fujimoto, K., Kawaguchi, M., Nishida, K., Koutoku, M., Hongou, H., Yanagida, H., Ogata, Y.	An Examination of Heat Transfer Dynamics in Pulsating Air Flow within Pipes: Implications for Automotive Exhaust Engines	pipe flow, pulsation, turbulent flow, particle image velocimetry, heat transfer, Nusselt number, forced convection	41, 4, 815-826	https://doi.org/10.18280/ijht.410404	Kato, Y., Guo, G.M., Kamigaki, M., Fujimoto, K., Kawaguchi, M., Nishida, K., Koutoku, M., Hongou, H., Yanagida, H., Ogata, Y. (2023). An examination of heat transfer dynamics in pulsating air flow within pipes: Implications for automotive exhaust engines. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 815-826. https://doi.org/10.18280/ijht.410404
216	Hussein, H.Q., Fayyadh, E.M., Hasan, M.R.	Experimental Investigation of Single-Phase Flow and Heat Transfer in Microchannels with Al ₂ O ₃ and Graphene-Al ₂ O ₃ Composite Electroplating Coatings	single-phase, microchannel, Graphene-Al ₂ O ₃ composite coatings, Nusselt number, friction factor, pressure drop	41, 4, 827-837	https://doi.org/10.18280/ijht.410405	Hussein, H.Q., Fayyadh, E.M., Hasan, M.R. (2023). Experimental investigation of single-phase flow and heat transfer in microchannels with Al ₂ O ₃ and Graphene-Al ₂ O ₃ composite electroplating coatings. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 827-837. https://doi.org/10.18280/ijht.410405
217	Meng, Q.Q., Yang, C.P., Zhou, H.X., Li, W.C.	Structural Enhancement and Thermal Deformation Analysis of Antenna Arrays in Vehicle-Mounted Phased Array Radar: A Heat Dissipation Perspective	vehicle-mounted phased array radar, antenna array surface, heat dissipation, micro-channels, structural optimization, PSO (Particle Swarm Optimization)-GA (Genetic Algorithm)-BPNN (Back Propagation Neural Network), thermal deformation prediction	41, 4, 838-846	https://doi.org/10.18280/ijht.410406	Meng, Q.Q., Yang, C.P., Zhou, H.X., Li, W.C. (2023). Structural enhancement and thermal deformation analysis of antenna arrays in vehicle-mounted phased array radar: A heat dissipation perspective. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 838-846. https://doi.org/10.18280/ijht.410406
218	Sumanraju, V., Rao, T.R., Sanke, N.	Constant Steam Inlet Conditions and their Impact on the Thermal Efficiency of a Cogeneration Power Plant	cogeneration system, energy utilization factor, heat to power ratio, mass flow rate, overall efficiency, steam inlet conditions, thermal efficiency, energy efficiency	41, 4, 847-853	https://doi.org/10.18280/ijht.410407	Sumanraju, V., Rao, T.R., Sanke, N. (2023). Constant steam inlet conditions and their impact on the thermal efficiency of a cogeneration power plant. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 847-853. https://doi.org/10.18280/ijht.410407
219	Santos, E.C., Macêdo, E.N., Magno, R.N.O., Galhardo, M.A.B., Oliveira, L.G.M., Brito, A.U., Macêdo, W.N.	Exergetic Assessment and Computational Modeling of a Solar-Powered Directly-Coupled Air Conditioning System: An Application in Library Cooling	air conditioning unit, cooling demand, computational modeling, exergetic analysis, photovoltaic system, photovoltaic generator, solar cooling, solar power	41, 4, 854-868	https://doi.org/10.18280/ijht.410408	Santos, E.C., Macêdo, E.N., Magno, R.N.O., Galhardo, M.A.B., Oliveira, L.G.M., Brito, A.U., Macêdo, W.N. (2023). Exergetic assessment and computational modeling of a solar-powered directly-coupled air conditioning system: An application in library cooling. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 854-868. https://doi.org/10.18280/ijht.410408
220	Wang, B.Y., Wang, S.J.	Thermal Conductivity and Shear Strength in Root-Reinforced Silty Clay: An Analysis of Asteraceae Plants from Taihang Mountain	silty clay, root reinforcement, thermal conductivity, thermal stress, temperature-seepage-stress coupling, shear strength	41, 4, 869-882	https://doi.org/10.18280/ijht.410409	Wang, B.Y., Wang, S.J. (2023). Thermal conductivity and shear strength in root-reinforced silty clay: An analysis of asteraceae plants from Taihang Mountain. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 869-882. https://doi.org/10.18280/ijht.410409
221	Ali, H.M., Kadhim, S.A., Ibrahim, O.A.A.M.	Evaluating Refrigerant Purity Characteristics: An Experimental Approach to Assess Impact on Vapor-Compression Refrigeration System Performance	refrigerant purity characteristics, vapor compression refrigeration system, R134a, chest freezer, power consumption, COP	41, 4, 883-890	https://doi.org/10.18280/ijht.410410	Ali, H.M., Kadhim, S.A., Ibrahim, O.A.A.M. (2023). Evaluating refrigerant purity characteristics: An experimental approach to assess impact on vapor-compression refrigeration system performance. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 883-890. https://doi.org/10.18280/ijht.410410

222	Adeleye, S.A., Oni, T.O., Oluwaleye, I.O.	Numerical Investigation of Temperature and Air Velocity Distribution in a Rectangular Cavity with Insulated Side Walls	cavity, simulation, temperature, time, velocity, wall	41, 4, 891-900	https://doi.org/10.18280/ijht.410411	Adeleye, S.A., Oni, T.O., Oluwaleye, I.O. (2023). Numerical investigation of temperature and air velocity distribution in a rectangular cavity with insulated side walls. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 891-900. https://doi.org/10.18280/ijht.410411
223	Niu, Q.C., Guo, X.H.	Application of a Thermodynamic Model in Durability Analysis of Bridge Structures under Climatic Variability	cavity, simulation, temperature, time, velocity, wall	41, 4, 901-909	https://doi.org/10.18280/ijht.410412	Niu, Q.C., Guo, X.H. (2023). Application of a thermodynamic model in durability analysis of bridge structures under climatic variability. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 901-909. https://doi.org/10.18280/ijht.410412
224	Qi, Z., Ren, C.L.	Optimising Heat Transfer and Ventilation in Interior Architecture for Enhanced Human Thermal Comfort	indoor thermal comfort, fluid dynamics, architectural design, hollow and ventilated interior wall, optimization design	41, 4, 910-918	https://doi.org/10.18280/ijht.410413	Qi, Z., Ren, C.L. (2023). Optimising heat transfer and ventilation in interior architecture for enhanced human thermal comfort. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 910-918. https://doi.org/10.18280/ijht.410413
225	Valencia, A., Muñoz, S.	Comparative Analysis of Longitudinal Vortex Generators and Louvered Fins in Enhancing Thermal Performance in Compact Heat Exchangers	compact heat exchanger, longitudinal vortex generator, louvered fins, shear-stress transport (SST) k- ω model, Reynolds number, thermal performance	41, 4, 919-928	https://doi.org/10.18280/ijht.410414	Valencia, A., Muñoz, S. (2023). Comparative analysis of longitudinal vortex generators and louvered fins in enhancing thermal performance in compact heat exchangers. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 919-928. https://doi.org/10.18280/ijht.410414
226	Shams, O.A., Ahmed, B.A., Majidi, H.S.	Comparative Analysis of Aluminum Alloys 2024 and 7085 under Thermal Fatigue and Crack Propagation	fatigue life, dynamic crack propagation, crack tip, analysis, aluminum alloy 2024, aluminum alloy 7085, thermal fatigue	41, 4, 929-936	https://doi.org/10.18280/ijht.410415	Shams, O.A., Ahmed, B.A., Majidi, H.S. (2023). Comparative analysis of aluminum alloys 2024 and 7085 under thermal fatigue and crack propagation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 929-936. https://doi.org/10.18280/ijht.410415
227	Zhong, J., Zhang, X.X., Yang, Y.C.	Thermodynamic Renovations in Traditional Huizhou Folk Dwellings: A Case Study	thermodynamics, vernacular architecture, traditional Huizhou folk dwellings, renovation, old house, Phoenix	41, 4, 937-946	https://doi.org/10.18280/ijht.410416	Zhong, J., Zhang, X.X., Yang, Y.C. (2023). Thermodynamic renovations in traditional Huizhou folk dwellings: A case study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 937-946. https://doi.org/10.18280/ijht.410416
228	Rudrabhiramu, R., Kumar, K.K., Rao, K.M.	Enhanced Convective Heat Transfer in a Nanofluid-Filled Enclosure: An Optimization of Fin Placement and Material	CFD, square enclosure, extended surface, PCM, conductivity ratio Rayleigh number, fin location and optimisation	41, 4, 947-958	https://doi.org/10.18280/ijht.410417	Rudrabhiramu, R., Kumar, K.K., Rao, K.M. (2023). Enhanced convective heat transfer in a nanofluid-filled enclosure: An optimization of fin placement and material. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 947-958. https://doi.org/10.18280/ijht.410417
229	Gonsalves, S., Gabbur, S.	Convective Heat Transfer of Radiating Magneto-Micropolar Nanofluid Flow	magneto-micropolar nanofluid, convective boundary condition, heat mass transfer, chemical reaction, radiation, wedge, FEM	41, 4, 959-968	https://doi.org/10.18280/ijht.410418	Gonsalves, S., Gabbur, S. (2023). Convective heat transfer of radiating magneto-micropolar nanofluid flow. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 959-968. https://doi.org/10.18280/ijht.410418
230	Deng, G., Chen, J., Zhou, Z.H., Chen, H.Y.	Evolutionary Game Analysis of Building Energy Services: Incentives and Mechanisms Based on Voluntary Emission Reduction Agreements	voluntary agreement, carbon emissions, energy service company, evolutionary game	41, 4, 969-976	https://doi.org/10.18280/ijht.410419	Deng, G., Chen, J., Zhou, Z.H., Chen, H.Y. (2023). Evolutionary game analysis of building energy services: Incentives and mechanisms based on voluntary emission reduction agreements. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 969-976. https://doi.org/10.18280/ijht.410419
231	Abbas, S.M., Hussein, A.K.	A Comprehensive Numerical Analysis of Natural Convection in Nanofluids within Various Enclosure Geometries: A Review	three-dimensional, natural convection, cavity, enclosure, classical geometry, complex geometry, nanofluid, hybrid nanofluid	41, 4, 977-999	https://doi.org/10.18280/ijht.410420	Abbas, S.M., Hussein, A.K. (2023). A comprehensive numerical analysis of natural convection in nanofluids within various enclosure geometries: A review. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 977-999. https://doi.org/10.18280/ijht.410420
232	Ali, F.A.M.A., Reda, S.M.A.M., Hussein, M.A.M., Ayed, S.K., Jassim, L., Majidi, H.S.	Thermoelectric-Driven Room Air Cooling via a Multi-U Shaped Heat Sink System	Peltier devices, refrigeration, U-shaped, heatsink, multi-stage	41, 4, 1000-1006	https://doi.org/10.18280/ijht.410421	Ali, F.A.M.A., Reda, S.M.A.M., Hussein, M.A.M., Ayed, S.K., Jassim, L., Majidi, H.S. (2023). Thermoelectric-driven room air cooling via a multi-U shaped heat sink system. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1000-1006. https://doi.org/10.18280/ijht.410421
233	Cheng, X.J., Cong, Q.	Investigation of Thermal Conductivity and Wear Resistance in Bio-Inspired Pitted Pistons for Enhanced Performance in Drilling Mud Pumps	bionics, pit, drilling, mud pump piston, life, wear resistance, heat transfer, thermal conductivity	41, 4, 1007-1013	https://doi.org/10.18280/ijht.410422	Cheng, X.J., Cong, Q. (2023). Investigation of thermal conductivity and wear resistance in bio-inspired pitted pistons for enhanced performance in drilling mud pumps. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1007-1013. https://doi.org/10.18280/ijht.410422
234	Zubairi, L.T., Danismaz, M., Yasin, N.J., Al-Shohani, W.A.M.	Comparative Analysis of Thermal Performance in Dual-Flow Solar Air Heaters Utilizing Diverse Absorber Plates	solar air heater, dual-flow, flat plate, corrugated plate, trapezoidal plate, computational fluid dynamics, thermal performance	41, 4, 1014-1034	https://doi.org/10.18280/ijht.410423	Zubairi, L.T., Danismaz, M., Yasin, N.J., Al-Shohani, W.A.M. (2023). Comparative analysis of thermal performance in dual-flow solar air heaters utilizing diverse absorber plates. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 14, pp. 1014-1034. https://doi.org/10.18280/ijht.410423
235	Nurmawati, T., Hadiyanto, H., Cahyadi, C., Fachrizal, N., Sutopo, S.	Efficiency and Energy Consumption Analysis of Infrared-Assisted Drying of Oyster Mushrooms	drying, energy, infrared, mushroom	41, 4, 1035-1042	https://doi.org/10.18280/ijht.410424	Nurmawati, T., Hadiyanto, H., Cahyadi, C., Fachrizal, N., Sutopo, S. (2023). Efficiency and energy consumption analysis of infrared-assisted drying of oyster mushrooms. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1035-1042. https://doi.org/10.18280/ijht.410424
236	Ding, X.Y.	Thermophysical Dynamics of Ore-forming Fluids in Heat Ore Deposits: Implications for Ore-formation Processes	heat ore deposits, ore-forming fluids, thermophysical dynamics, mathematical modelling, conservation equations, solute transfer, mass and energy conservation	41, 4, 1043-1051	https://doi.org/10.18280/ijht.410425	Ding, X.Y. (2023). Thermophysical dynamics of ore-forming fluids in heat ore deposits: Implications for ore-formation processes. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1043-1051. https://doi.org/10.18280/ijht.410425
237	Al-Muhsen, N.F.O., Al-Khafaji, O.R.S., Ismail, F.B.	Thermal Performance Optimization of Perforated Fins for Flat Plate Heat Sinks Using CFD Approach	computational fluid dynamics (CFD), perforated fins, perforation shape, perforation position, natural convection heat transfer, heat transfer coefficient, temperature difference	41, 4, 1052-1062	https://doi.org/10.18280/ijht.410426	Al-Muhsen, N.F.O., Al-Khafaji, O.R.S., Ismail, F.B. (2023). Thermal performance optimization of perforated fins for flat plate heat sinks using CFD approach. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1052-1062. https://doi.org/10.18280/ijht.410426
238	Hasan, A.J., Rasheed, S.A.	Evaluating the Performance and Exhaust Emissions of a Micro Gas Turbine Engine Fueled by Kerosene and Olive Oil Methyl Ester Blends	blended fuel, biofuel, olive oil methyl ester, exhaust emissions, micro gas turbines, engine performance	41, 4, 1063-1073	https://doi.org/10.18280/ijht.410427	Hasan, A.J., Rasheed, S.A. (2023). Evaluating the performance and exhaust emissions of a micro gas turbine engine fueled by kerosene and olive oil methyl ester blends. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1063-1073. https://doi.org/10.18280/ijht.410427

239	Di, X.J., Wang, Y.J., Huang, C.S.	Thermal Effects on Prefabricated Box Culverts and Implications for Joint Performance under Elevated Temperatures	prefabricated box culverts, elevated temperature environments, temperature distribution, joint performance, finite element analysis	41, 4, 1074-1082	https://doi.org/10.18280/ijht.410428	Di, X.J., Wang, Y.J., Huang, C.S. (2023). Thermal effects on prefabricated box culverts and implications for joint performance under elevated temperatures. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1074-1082. https://doi.org/10.18280/ijht.410428
240	Sultan, J.N., Karash, E.T., Kassim, M.T.E., Ali, A.M., Ibrhim, H.A.	Effects of Repeated Heat Treatments on the Wear Resistance of Pre-Carburized Steel	wear, tempering, quenching, pre-carburized, heat treatment, steel	41, 4, 1083-1095	https://doi.org/10.18280/ijht.410429	Sultan, J.N., Karash, E.T., Kassim, M.T.E., Ali, A.M., Ibrhim, H.A. (2023). Effects of repeated heat treatments on the wear resistance of pre-carburized steel. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1083-1095. https://doi.org/10.18280/ijht.410429
241	Zhang, N.Y.	Optimisation of Numerical Control Tool Cutting Parameters Based on Thermodynamic Response and Machine Learning Algorithms	thermodynamics, numerical control tool, cutting parameters, machine learning, temperature capture, thermal flow, parameter prediction	41, 4, 1096-1103	https://doi.org/10.18280/ijht.410430	Zhang, N.Y. (2023). Optimisation of numerical control tool cutting parameters based on thermodynamic response and machine learning algorithms. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 4, pp. 1096-1103. https://doi.org/10.18280/ijht.410430
242	Tomassetti, S., Luzzi, F., Cheng, P.Y., Forcellese, P., Aquilanti, A., Bellezze, T., Di Nicola, G.	Thermal Properties of Alternative Phase Change Materials for Solar Thermal Applications	differential scanning calorimetry, plastic crystal, solar cooking, solar heating, solid-solid PCM, thermal energy storage	41, 3, 481-488	https://doi.org/10.18280/ijht.410301	Tomassetti, S., Luzzi, F., Cheng, P.Y., Forcellese, P., Aquilanti, A., Bellezze, T., Di Nicola, G. (2023). Thermal properties of alternative phase change materials for solar thermal applications. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 481-488. https://doi.org/10.18280/ijht.410301
243	Noro, M.	High Temperature Heat Pump with Combined Cooling, Heat and Power Plant in Industrial Buildings: An Energy Analysis	absorption chiller, cogeneration, heat pump, industrial heating, trigeneration	41, 3, 489-497	https://doi.org/10.18280/ijht.410302	Noro, M. (2023). High temperature heat pump with combined cooling, heat and power plant in industrial buildings: An energy analysis. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 489-497. https://doi.org/10.18280/ijht.410302
244	Shi, H.L., Xiong, B., Huang, K.J., Ding, Y.W., Gu, G.B.	Thermal Circuit Analysis and Performance Evaluation of Evaporative Cooling Transformers Within Advanced Industrial Logistics Infrastructure	evaporative cooling technology, thermal circuit model, transformer	41, 3, 498-512	https://doi.org/10.18280/ijht.410303	Shi, H.L., Xiong, B., Huang, K.J., Ding, Y.W., Gu, G.B. (2023). Thermal circuit analysis and performance evaluation of evaporative cooling transformers within advanced industrial logistics infrastructure. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 498-512. https://doi.org/10.18280/ijht.410303
245	Ghareeb, H.O., Anjal, H.A.A.W.	An Investigation of the Impacts of Ethanol-Diesel Blends on Emission and Combustion Parameters of Diesel Engine	smoke opacity, diesel fuel, brake thermal efficiency, ethanol, mechanical efficiency, emission, exhaust gas temperature	41, 3, 513-528	https://doi.org/10.18280/ijht.410304	Ghareeb, H.O., Anjal, H.A.A.W. (2023). An investigation of the impacts of ethanol-diesel blends on emission and combustion parameters of diesel engine. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 513-528. https://doi.org/10.18280/ijht.410304
246	Barkilean, J., Jagadeesan, S.	Heat Transfer Characteristics on MHD Oscillatory Radiative Nanofluid with H ₂ O/C ₂ H ₆ O ₂ (Basefluid): A Comparative Study of Different Nanoparticles of Various Shapes	thermal radiation, MHD, oscillatory flow, heat transfer, nanofluid flow, porous medium	41, 3, 529-540	https://doi.org/10.18280/ijht.410305	Barkilean, J., Jagadeesan, S. (2023). Heat transfer characteristics on MHD oscillatory radiative nanofluid with H ₂ O/C ₂ H ₆ O ₂ (Basefluid): A comparative study of different nanoparticles of various shapes. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 529-540. https://doi.org/10.18280/ijht.410305
247	Ding, X.Y., Jia, L.L.	North-South Differences of Xuefeng Mountain Metallogenic Belt and Fluid Inclusion and Isotope Evidences of Ore-Forming Hydrothermal Solution Source	Xuefeng Mountain metallogenic belt, ore-forming differences, fluid inclusions, ore-forming hydrothermal solution	41, 3, 541-550	https://doi.org/10.18280/ijht.410306	Ding, X.Y., Jia, L.L. (2023). North-south differences of Xuefeng Mountain metallogenic belt and fluid inclusion and isotope evidences of ore-forming hydrothermal solution source. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 541-550. https://doi.org/10.18280/ijht.410306
248	Al-Gaheeshi, A.M.R., Rashid, F.L., Eleiwi, M.A., Basem, A.	Thermo-Hydraulic Analysis of Mixed Convection in a Channel-Square Enclosure Assembly with Hemi-Sphere Source at the Bottom	open enclosure, heated source, mixed convection, forced convection, natural convection	41, 3, 551-562	https://doi.org/10.18280/ijht.410307	Al-Gaheeshi, A.M.R., Rashid, F.L., Eleiwi, M.A., Basem, A. (2023). Thermo-hydraulic analysis of mixed convection in a channel-square enclosure assembly with hemi-sphere source at the bottom. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 551-562. https://doi.org/10.18280/ijht.410307
249	Boryca, J., Wylecial, T., Urbaniak, D.	Fuel Consumption Reduction Strategies for Heating Steel Charge Prior to Plastic Processing	energy efficiency, steel heating furnace, steel charge heating, combustion air preheating, closed-loop energy management	41, 3, 563-571	https://doi.org/10.18280/ijht.410308	Boryca, J., Wylecial, T., Urbaniak, D. (2023). Fuel consumption reduction strategies for heating steel charge prior to plastic processing. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 563-571. https://doi.org/10.18280/ijht.410308
250	Yao, H.W., Lv, K.F., Shi, Z.F., Li, Y.X., Xing, M.Y., Song, H.T., Ren, W.	Numerical Simulation of 35kV Oil-Immersed Transformer Fire and Extinguishing Effects of High-Pressure Fine Water Mist	oil-immersed transformers, combustion characteristics, PyroSim, fire simulation, temperature field distribution, high pressure fine water mist	41, 3, 572-580	https://doi.org/10.18280/ijht.410309	Yao, H.W., Lv, K.F., Shi, Z.F., Li, Y.X., Xing, M.Y., Song, H.T., Ren, W. (2023). Numerical simulation of 35kV oil-immersed transformer fire and extinguishing effects of high-pressure fine water mist. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 572-580. https://doi.org/10.18280/ijht.410309
251	Ubaidillah, U., Cakrawala, B., Yaningsih, I.	Food Delivery Box by Utilizing Exhaust Gas from Motorcycle Engine Combustion	food delivery box, heat transfer, ANSYS fluent, CFD, waste energy	41, 3, 581-590	https://doi.org/10.18280/ijht.410310	Ubaidillah, U., Cakrawala, B., Yaningsih, I. (2023). Food delivery box by utilizing exhaust gas from motorcycle engine combustion. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 581-590. https://doi.org/10.18280/ijht.410310
252	Fadhil, N.A., Al-Dabagh, A.M., Hatem, F.F.	Numerical Investigation of Heat Transfer and Pressure Drop Characteristics in a Double Pipe Heat Exchanger with Corrugated Tubes and Rod Baffles at Various Reynolds Numbers	corrugated tube, rod baffle, friction factor, heat transfer enhancement, double pipe heat exchanger, CFD, ANSYS-Fluent	41, 3, 591-601	https://doi.org/10.18280/ijht.410311	Fadhil, N.A., Al-Dabagh, A.M., Hatem, F.F. (2023). Numerical investigation of heat transfer and pressure drop characteristics in a double pipe heat exchanger with corrugated tubes and rod baffles at various Reynolds numbers. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 591-601. https://doi.org/10.18280/ijht.410311
253	Alshwairekh, A.M.	A Computational Fluid Dynamics Study on Polymer Heat Exchangers for Low-Temperature Applications: Assessing Additive Manufacturing and Thermal-Hydraulic Performance	CFD, heat exchangers, low-temperature heat exchangers, 3D printing, Nusselt number, friction factor	41, 3, 602-610	https://doi.org/10.18280/ijht.410312	Alshwairekh, A.M. (2023). A computational fluid dynamics study on polymer heat exchangers for low-temperature applications: Assessing additive manufacturing and thermal-hydraulic performance. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 602-610. https://doi.org/10.18280/ijht.410312
254	Xiao, Z.J., Wang, Z.B., Zhang, C.L., Xia, Z.L.	Thermodynamic Analysis and Heat Transfer Optimization of CFRP Rotor in Screw Vacuum Pumps	screw vacuum pump, thermal-structural coupling, thermodynamics, heat transfer, CFRP rotor, thermodynamic analysis	41, 3, 611-618	https://doi.org/10.18280/ijht.410313	Xiao, Z.J., Wang, Z.B., Zhang, C.L., Xia, Z.L. (2023). Thermodynamic analysis and heat transfer optimization of CFRP rotor in screw vacuum pumps. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 611-618. https://doi.org/10.18280/ijht.410313
255	Hussien, F.M., Hassoon, A.S., Faraj, J.J.	Performance Analysis of a Triple Pipe Heat Exchanger with Phase Change Materials for Thermal Storage	triplex pipe heat exchanger (TPHX), thermal storage system, phase change material (PCM), paraffin wax, lauric acid, Entropy generation number, energy and exergy efficiency, Stefan number	41, 3, 619-628	https://doi.org/10.18280/ijht.410314	Hussien, F.M., Hassoon, A.S., Faraj, J.J. (2023). Performance analysis of a triple pipe heat exchanger with phase change materials for thermal storage. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 619-628. https://doi.org/10.18280/ijht.410314

256	Halder, N., Almeshaal, M.A., Haldar, B., Chakravarti, A.	Influence of Vortex Generator on Gas Turbine Blade Cooling	vortex generator, film cooling, common-flow-down, counter-rotating vortex pair, delta winglet pair	41, 3, 629-638	https://doi.org/10.18280/ijht.410315	Halder, N., Almeshaal, M.A., Haldar, B., Chakravarti, A. (2023). Influence of vortex generator on gas turbine blade cooling. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 629-638. https://doi.org/10.18280/ijht.410315
257	Zhou, J., Liang, D.L.	Steady-State Analysis of the Thermal Subsystem Within Green Integrated-Energy Systems: A Novel Mathematical Modelling Approach	green integrated-energy system, thermal subsystem, steady-state characteristics, mathematical model, power analysis	41, 3, 639-648	https://doi.org/10.18280/ijht.410316	Zhou, J., Liang, D.L. (2023). Steady-state analysis of the thermal subsystem within green integrated-energy systems: A novel mathematical modelling approach. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 639-648. https://doi.org/10.18280/ijht.410316
258	Benmouiza, K.	Solar Zoning Maps of Algeria Based on Sunshine Duration Data and Kriging Method	sunshine duration, kriging interpolation, geospatial mapping, solar radiation maps, Algeria	41, 3, 649-656	https://doi.org/10.18280/ijht.410317	Benmouiza, K. (2023). Solar zoning maps of Algeria based on sunshine duration data and Kriging method. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 649-656. https://doi.org/10.18280/ijht.410317
259	Zohri, M., Prabowo, Suwarno, Fudholi, A., Suyono, T., Priandana, E.P., Utomo, Y.S.	Performance Review of Solar-Assisted Heat Pump Systems Using Solar Collectors, PV, and PVT Technologies	solar collectors, photovoltaics, photovoltaic thermal, heat pumps, performance models, system configuration, coefficient of performance	41, 3, 657-665	https://doi.org/10.18280/ijht.410318	Zohri, M., Prabowo, Suwarno, Fudholi, A., Suyono, T., Priandana, E.P., Utomo, Y.S. (2023). Performance review of solar-assisted heat pump systems using solar collectors, PV, and PVT technologies. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 657-665. https://doi.org/10.18280/ijht.410318
260	Li, H., Zheng, Y.N., Gong, G.	Assessment of Durability and Aging Resilience in a Novel Structural Building Adhesive: An Examination of the Time-Temperature Equivalence Principle	building structure adhesive, time-temperature equivalent principle, damp-heat aging, thermal aging	41, 3, 666-672	https://doi.org/10.18280/ijht.410319	Li, H., Zheng, Y.N., Gong, G. (2023). Assessment of durability and aging resilience in a novel structural building adhesive: An examination of the time-temperature equivalence principle. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 666-672. https://doi.org/10.18280/ijht.410319
261	Agarwal, A., Batista, R.C.	CFD Analysis of Flow Behavior and Thermal Performance in Single and Multi-Inlet EGR Coolers	Exhaust Gas Recirculation system, EGR cooler, CFD simulations, four-inlet configuration, thermal characteristics, fuel efficiency, heavy-duty vehicles, NOx emission	41, 3, 673-678	https://doi.org/10.18280/ijht.410320	Agarwal, A., Batista, R.C. (2023). CFD analysis of flow behavior and thermal performance in single and multi-inlet EGR coolers. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 673-678. https://doi.org/10.18280/ijht.410320
262	Balaji, R., Yeditha, V.S., Premkumar, B.C., Talari, S., Madaka, R.M.R., Edara, G.	Controlling Nox in Modified High Pressure Split Injection Single Cylinder Diesel Engine with EGR-A Mathematical Approach	NOx, split injection, EGR, regression analysis	41, 3, 679-686	https://doi.org/10.18280/ijht.410321	Balaji, R., Yeditha, V.S., Premkumar, B.C., Talari, S., Madaka, R.M.R., Edara, G. (2023). Controlling Nox in modified high pressure split injection single cylinder diesel engine with EGR-A mathematical approach. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 679-686. https://doi.org/10.18280/ijht.410321
263	Jamasri, Yudhanto, F., Yudha, V., Syafril, E.	Mechanical, Physical and Thermal Characterization of PVA (Polyvinyl Alcohol)/Chitosan Bioplastic Film	PVA, chitosan, tensile strength, physical, thermal stability	41, 3, 687-693	https://doi.org/10.18280/ijht.410322	Jamasri, Yudhanto, F., Yudha, V., Syafril, E. (2023). Mechanical, physical and thermal characterization of PVA (polyvinyl alcohol)/chitosan bioplastic film. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 687-693. https://doi.org/10.18280/ijht.410322
264	Tao, N.N.	Thermodynamic and Sealing Performance Analysis of Reciprocating O-Rings in Hydraulic Cylinders	O-ring seals, rubber material, Mooney-Rivlin model, finite element analysis, thermodynamics	41, 3, 694-700	https://doi.org/10.18280/ijht.410323	Tao, N.N. (2023). Thermodynamic and sealing performance analysis of reciprocating O-rings in hydraulic cylinders. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 694-700. https://doi.org/10.18280/ijht.410323
265	Lanka, S., Sajja, V.S., Prasad, D.	Thermal Effects in Lubrication of Asymmetric Rollers Using Roelands Viscosity-Pressure Equation Including Convection	hydrodynamic lubrication, non-Newtonian, Bingham plastic, incompressible, viscosity	41, 3, 701-708	https://doi.org/10.18280/ijht.410324	Lanka, S., Sajja, V.S., Prasad, D. (2023). Thermal effects in lubrication of asymmetric rollers using Roelands viscosity-pressure equation including convection. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 701-708. https://doi.org/10.18280/ijht.410324
266	Alwan, S.H., Jasim, A.K., Hasan, Y.F.	Derating Factors for Underground Power Cables Ampacity in Extreme Environmental Conditions: A Comparative Study	ANSYS software, life expectancy, temperature distribution, dry zone, underground cables, harsh environment	41, 3, 709-715	https://doi.org/10.18280/ijht.410325	Alwan, S.H., Jasim, A.K., Hasan, Y.F. (2023). Derating factors for underground power cables ampacity in extreme environmental conditions: A comparative study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 709-715. https://doi.org/10.18280/ijht.410325
267	Zhang, J., Jin, Z.J., Tian, F.C., Wang, J., Niu, L., Li, Y., Xu, Z.G.	Kinetic Analysis of Low Temperature Oxidation of Coals with Pre-Heating Histories: A DSC Study	low temperature, coal oxidation, kinetic parameters, DSC, self-heating	41, 3, 716-722	https://doi.org/10.18280/ijht.410326	Zhang, J., Jin, Z.J., Tian, F.C., Wang, J., Niu, L., Li, Y., Xu, Z.G. (2023). Kinetic analysis of low temperature oxidation of coals with pre-heating histories: A DSC study. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 716-722. https://doi.org/10.18280/ijht.410326
268	Anan-archa, A., Chantawong, P., Khedari, J.	Experimental and Numerical Investigation on Design Optimization of a Roof Skylight Combined with Solar Chimney	roof design, skylight solar chimney, thermal performance, natural ventilation, daylight heat gain admission	41, 3, 723-729	https://doi.org/10.18280/ijht.410327	Anan-archa, A., Chantawong, P., Khedari, J. (2023). Experimental and numerical investigation on design optimization of a roof skylight combined with solar chimney. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 723-729. https://doi.org/10.18280/ijht.410327
269	Masood, F.A., Elamparithi, S.	Effects of Surface Roughness and MHD on Squeeze Film Characteristics for Various Finite Porous Plate Geometries with Couple-Stress Fluid	couple-stress fluid, MHD, porosity, surface roughness	41, 3, 730-736	https://doi.org/10.18280/ijht.410328	Masood, F.A., Elamparithi, S. (2023). Effects of surface roughness and MHD on squeeze film characteristics for various finite porous plate geometries with couple-stress fluid. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 730-736. https://doi.org/10.18280/ijht.410328
270	Li, Z., Wang, Y., Wang, W.C., Ruan, L.	Optimization and Experimental Investigation of Hybrid Rib Array Heat Exchangers for High-Power Electronics Cooling in Self-circulating Cooling System	hybrid rib array, enhancing heat transfer performance, angle, height	41, 3, 737-741	https://doi.org/10.18280/ijht.410329	Li, Z., Wang, Y., Wang, W.C., Ruan, L. (2023). Optimization and experimental investigation of hybrid rib array heat exchangers for high-power electronics cooling in self-circulating cooling system. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 737-741. https://doi.org/10.18280/ijht.410329
271	Kuncoro, I.W., Arifin, Z., Budiana, E.P., Hijriawan, M.	Improvement Performance Twisted Savonius Wind Turbine on Hybrid System: Effect of Flat Plate Deflector Installation	vertical axis wind turbine, twisted Savonius, flat plate deflector, performance improvement, hybrid system, renewable energy	41, 3, 742-748	https://doi.org/10.18280/ijht.410330	Kuncoro, I.W., Arifin, Z., Budiana, E.P., Hijriawan, M. (2023). Improvement performance twisted savonius wind turbine on hybrid system: Effect of flat plate deflector installation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 742-748. https://doi.org/10.18280/ijht.410330
272	Tarek, D., Benamara, N., Aminallah, M., Lahcene, A., Tewfik, S.	Influence of Natural Convection Ventilation of the Space Between the Roof and the False Ceiling on the Distribution of the Temperature in a Room	natural convection, thermal inertia, thermal comfort, roof ventilation	41, 3, 749-754	https://doi.org/10.18280/ijht.410331	Tarek, D., Benamara, N., Aminallah, M., Lahcene, A., Tewfik, S. (2023). Influence of natural convection ventilation of the space between the roof and the false ceiling on the distribution of the temperature in a room. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 749-754. https://doi.org/10.18280/ijht.410331

273	Khaleel, H.H.	Numerical Study of Laser Cutting Process for Steel Alloys	laser cutting process, structural steel, stainless steel, finite element analysis, materials modeling	41, 3, 755-760	https://doi.org/10.18280/ijht.410332	Khaleel, H.H. (2023). Numerical study of laser cutting process for steel alloys. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 755-760. https://doi.org/10.18280/ijht.410332
274	Song, Z.	Enhancing Bridge Structural Stability: A Comprehensive Analysis of Thermodynamic Properties and Thermal Stress Performance	concrete bridge, thermodynamic properties, thermal stress, structural stability, coupling	41, 3, 761-768	https://doi.org/10.18280/ijht.410333	Song, Z. (2023). Enhancing bridge structural stability: A comprehensive analysis of thermodynamic properties and thermal stress performance. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 761-768. https://doi.org/10.18280/ijht.410333
275	Hidayat, W., Suri, I.F., Febryano, I.G., Afkar, H., Rahmawati, L., Duryat, Kim, N.H.	Environmentally-Friendly Wood Modification: Physical and Mechanical Properties of Jabon Wood (<i>Anthocephalus cadamba</i>) as Affected by Oil Heat Treatment	<i>Anthocephalus cadamba</i> , mechanical properties, oil heat treatment, physical properties	41, 3, 769-774	https://doi.org/10.18280/ijht.410334	Hidayat, W., Suri, I.F., Febryano, I.G., Afkar, H., Rahmawati, L., Duryat, Kim, N.H. (2023). Environmentally-friendly wood modification: Physical and mechanical properties of jabon wood (<i>Anthocephalus cadamba</i>) as affected by oil heat treatment. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 769-774. https://doi.org/10.18280/ijht.410334
276	Almula, T.A.D.M.S., Kasim, A.W., Amori, I.H.	Effects of Heat Treatment on Microstructure and Mechanical Properties of D-6A AISI Medium-Carbon Low-Alloy Steel	annealing, normalizing, quenching, tempering, malleability, Medium-Carbon Low-Alloy Steel, D-6A AISI	41, 3, 775-779	https://doi.org/10.18280/ijht.410335	Almula, T.A.D.M.S., Kasim, A.W., Amori, I.H. (2023). Effects of heat treatment on microstructure and mechanical properties of D-6A AISI Medium-Carbon Low-Alloy Steel. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 775-779. https://doi.org/10.18280/ijht.410335
277	Abbas, A.S., Mohammed, A.A.	Enhancement of Plate-Fin Heat Exchanger Performance with Aid of (RWP) Vortex Generator	plate fin heat exchanger, plain fins, offset strip fins, vortex generator, rectangular winglet pair, performance, enhancement	41, 3, 780-788	https://doi.org/10.18280/ijht.410336	Abbas, A.S., Mohammed, A.A. (2023). Enhancement of plate-fin heat exchanger performance with aid of (RWP) vortex generator. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 3, pp. 780-788. https://doi.org/10.18280/ijht.410336
278	Ryms, M., Kwiatkowski, G.J., Lewandowski, W.s.M.	Empirical Relationship Describing Total Convective and Radiative Heat Loss in Buildings	convective-radiative heat transfer, infrared camera, experiments, empirical equation, vertical plate	41, 2, 279-292	https://doi.org/10.18280/ijht.410201	Ryms, M., Kwiatkowski, G.J., Lewandowski, W.s.M. (2023). Empirical relationship describing total convective and radiative heat loss in buildings. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 279-292. https://doi.org/10.18280/ijht.410201
279	Krishnappa, A.K., Kapilan, N., Kasthuriengan, S., Ashwathnarayana, D.P.	Experimental and Simulation Study of a Solar Assisted Two Bed Adsorption Refrigeration System Using Activated Carbon-Methanol	activated carbon, adsorption, cooling, MATLAB, solar energy	41, 2, 293-303	https://doi.org/10.18280/ijht.410202	Krishnappa, A.K., Kapilan, N., Kasthuriengan, S., Ashwathnarayana, D.P. (2023). Experimental and simulation study of a solar assisted two bed adsorption refrigeration system using activated carbon-methanol. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 293-303. https://doi.org/10.18280/ijht.410202
280	Dawood, T.A., Barwari, R.R.I., Akroot, A.	Solar Energy and Factors Affecting the Efficiency and Performance of Panels in Erbil/Kurdistan	solar energy, renewable energy, PV, energy source, solar collectors, solar cells	41, 2, 304-312	https://doi.org/10.18280/ijht.410203	Dawood, T.A., Barwari, R.R.I., Akroot, A. (2023). Solar energy and factors affecting the efficiency and performance of panels in Erbil/Kurdistan. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 304-312. https://doi.org/10.18280/ijht.410203
281	Sun, X.B., Gu, H.Y., Tian, Y.F.	Urban Building Thermal Comfort Research Based on ArcGIS and Building Parameters: Analyzing and Improving Measures	ArcGIS, building parameters, urban buildings, thermal comfort improvement	41, 2, 313-322	https://doi.org/10.18280/ijht.410204	Sun, X.B., Gu, H.Y., Tian, Y.F. (2023). Urban building thermal comfort research based on ArcGIS and building parameters: Analyzing and improving measures. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 313-322. https://doi.org/10.18280/ijht.410204
282	Seghaier, B.M., Amar, H., Abdelbak, M., Zeroual, A.	The Effect of Strain Rate and the Chemical Effects of H ₂ and CO on the Soot Formation of Ethylene-Syngas in Opposed Jet Laminar Diffusion Flame	opposed flow, strain rate, soot, method of moments, flame temperature, chemical effect	41, 2, 323-331	https://doi.org/10.18280/ijht.410205	Seghaier, B.M., Amar, H., Abdelbak, M., Zeroual, A. (2023). The effect of strain rate and the chemical effects of H ₂ and CO on the soot formation of ethylene-syngas in opposed jet laminar diffusion flame. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 323-331. https://doi.org/10.18280/ijht.410205
283	Hermanto, A., Permana, D.I., Rusirawan, D., Shantika, T.	Investigation of Very Low Micro-Hydro Turbine: Design, Simulation and Prototype Experimental	hydro turbine, micro-hydro, power generation, Kaplan turbine, cross-flow turbine, very low head	41, 2, 332-340	https://doi.org/10.18280/ijht.410206	Hermanto, A., Permana, D.I., Rusirawan, D., Shantika, T. (2023). Investigation of very low micro-hydro turbine: Design, simulation and prototype experimental. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 332-340. https://doi.org/10.18280/ijht.410206
284	Harbood, A.A., Hamzah, H.K., Obied, H.H.	Effect of Deformable Baffle on the Forced Convection of Nanofluid Flow in Corrugated Channels	Al ₂ O ₃ -water nano fluid, trapezoid shape, complex channel, fluid-solid interaction	41, 2, 341-350	https://doi.org/10.18280/ijht.410207	Harbood, A.A., Hamzah, H.K., Obied, H.H. (2023). Effect of deformable baffle on the forced convection of nanofluid flow in corrugated channels. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 341-350. https://doi.org/10.18280/ijht.410207
285	Yekhlief, R., Benghanem, F., Foudia, M., Keraghel, S., Ghedjati, S., Toukal, L., Akhtar, M.S.	Synthesis, Spectroscopic and Thermal Characterization and Antioxidant Activities of Three Schiff Bases Derived from Aminophenol	Schiff bases, aminophenol, spectra, antioxidant activity, thermal stability	41, 2, 351-359	https://doi.org/10.18280/ijht.410208	Yekhlief, R., Benghanem, F., Foudia, M., Keraghel, S., Ghedjati, S., Toukal, L., Akhtar, M.S. (2023). Synthesis, spectroscopic and thermal characterization and antioxidant activities of three Schiff bases derived from aminophenol. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 351-359. https://doi.org/10.18280/ijht.410208
286	Xia, L., Wei, Y.L.	Thermal Response and Damage Features of Fabricated Steel Structures under Fire	fire, fabricated buildings, thermal response, steel structures, damage feature	41, 2, 360-368	https://doi.org/10.18280/ijht.410209	Xia, L., Wei, Y.L. (2023). Thermal response and damage features of fabricated steel structures under fire. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 360-368. https://doi.org/10.18280/ijht.410209
287	Gollamudi, S., Kommineni, R., Vadlamudi, T.C., Katuru, B.P.	Investigation of Regenerative Gas Turbine Performance under the Influence of Dynamic Atmospheric Conditions in India Using Energy and Exergy Analysis	regenerative gas turbine, first law analysis, second law analysis, ambient temperature, relative humidity	41, 2, 369-375	https://doi.org/10.18280/ijht.410210	Gollamudi, S., Kommineni, R., Vadlamudi, T.C., Katuru, B.P. (2023). Investigation of regenerative gas turbine performance under the influence of dynamic atmospheric conditions in India using energy and exergy analysis. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 369-375. https://doi.org/10.18280/ijht.410210
288	Majel, B.M., Obaid, Z.A.H., Zidane, K.	Numerical Study of the Parabolic Dish Solar Collector Performance Evaluation Using Heat Exchanger Receiver	parabolic dish solar collector, solar radiation, radiator heat exchanger, computational fluid dynamics (CFD)	41, 2, 376-384	https://doi.org/10.18280/ijht.410211	Majel, B.M., Obaid, Z.A.H., Zidane, K. (2023). Numerical study of the parabolic dish solar collector performance evaluation using heat exchanger receiver. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 376-384. https://doi.org/10.18280/ijht.410211
289	Li, Z., Ruan, L.	Design Optimization and Performance Evaluation of a Low-Pressure Drop Air-Cooled Condenser for Self-Circulating Evaporative Cooling Systems	thermodynamic model, low pressure drop, air-cooled condenser, design flow	41, 2, 385-391	https://doi.org/10.18280/ijht.410212	Li, Z., Ruan, L. (2023). Design optimization and performance evaluation of a low-pressure drop air-cooled condenser for self-circulating evaporative cooling systems. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 385-391. https://doi.org/10.18280/ijht.410212

290	Nashee, S.R.	Numerical Study for Fluid Flow and Heat Transfer Characteristics in a Corrugating Channel	corrugated channel, laminar flow, thermal performance	41, 2, 392-398	https://doi.org/10.18280/ijht.410213	Nashee, S.R. (2023). Numerical study for fluid flow and heat transfer characteristics in a corrugating channel. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 392-398. https://doi.org/10.18280/ijht.410213
291	Battira, M.M., Brahmi, C., Bessaih, R., Chadi, K.	Forced Convection of Cu-Water Nanofluid in Vented Square Enclosure with an Interior Rotating Hexagonal Cylinder	numerical simulation, forced convection, vented enclosure, rotating hexagonal cylinder	41, 2, 399-406	https://doi.org/10.18280/ijht.410214	Battira, M.M., Brahmi, C., Bessaih, R., Chadi, K. (2023). Forced convection of Cu-water nanofluid in vented square enclosure with an interior rotating hexagonal cylinder. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 399-406. https://doi.org/10.18280/ijht.410214
292	Zheng, X.	Temperature Field Analysis of High-Speed Bearings Considering Frictional Heat and Interactive Effects	frictional heat generation, thermal interaction, high-speed bearings, temperature field analysis	41, 2, 407-414	https://doi.org/10.18280/ijht.410215	Zheng, X. (2023). Temperature field analysis of high-speed bearings considering frictional heat and interactive effects. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 407-414. https://doi.org/10.18280/ijht.410215
293	Azzazen, M., Boukraa, S.	Numerical and Experimental Investigation of a Confined Diffusion Flame of Heterogeneous Mixtures	temperature gradient, pressure gradient, gas mixture, combustion, flame propagation, diffusion	41, 2, 415-422	https://doi.org/10.18280/ijht.410216	Azzazen, M., Boukraa, S. (2023). Numerical and experimental investigation of a confined diffusion flame of heterogeneous mixtures. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 415-422. https://doi.org/10.18280/ijht.410216
294	Abdillah, M., Amaliyah, N., Putra, A.E.E., Surahman.	Biodiesel Performance Improvement with the Addition of Al ₂ O ₃ Nanoparticles on Diesel Engine	nanoparticle, biodiesel, engine performance, and emissions, B30	41, 2, 423-430	https://doi.org/10.18280/ijht.410217	Abdillah, M., Amaliyah, N., Putra, A.E.E., Surahman. (2023). Biodiesel performance improvement with the addition of Al ₂ O ₃ nanoparticles on diesel engine. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 423-430. https://doi.org/10.18280/ijht.410217
295	Naji, A.S., Altayee, S.A.S.	Compressor-Aid Absorption Chiller Working on Low Grade Temperature Heat Source: A Thermodynamic Analysis	absorption chiller, refrigeration, cooling, single effect air-conditioning, power plants	41, 2, 431-438	https://doi.org/10.18280/ijht.410218	Naji, A.S., Altayee, S.A.S. (2023). Compressor-aid absorption chiller working on low grade temperature heat source: A thermodynamic analysis. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 431-438. https://doi.org/10.18280/ijht.410218
296	Nasri, M.Y., Belhamri, A.	A Semi-Empirical Approach for Predicting the Effects of Shrinkage on the Convective Mass Transfer Evolution During the Solar Drying of Foodstuffs	drying, convective, shrinkage, mass transfer, exchange surface	41, 2, 439-446	https://doi.org/10.18280/ijht.410219	Nasri, M.Y., Belhamri, A. (2023). A semi-empirical approach for predicting the effects of shrinkage on the convective mass transfer evolution during the solar drying of foodstuffs. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 439-446. https://doi.org/10.18280/ijht.410219
297	Moundjia, B., Samah, Z.	Numerical Simulation of Free Convection in Porous Media Modeled by Darcy-Brinkman Equation at Low Grashof Numbers	free convection, porous media, Darcy model, boussinesq equation, enclosure cavity	41, 2, 447-454	https://doi.org/10.18280/ijht.410220	Moundjia, B., Samah, Z. (2023). Numerical simulation of free convection in porous media modeled by Darcy-Brinkman equation at low Grashof numbers. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 447-454. https://doi.org/10.18280/ijht.410220
298	Yao, H.W., Lv, K.F., Yan, S.K., Xing, M.Y., Lou, Z., Ren, W.	Simulation Study on Fire Combustion Process of Oil Immersed Transformer	oil-immersed transformers, PyroSim, simulation studies, fire plume flow	41, 2, 455-461	https://doi.org/10.18280/ijht.410221	Yao, H.W., Lv, K.F., Yan, S.K., Xing, M.Y., Lou, Z., Ren, W. (2023). Simulation study on fire combustion process of oil immersed transformer. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 455-461. https://doi.org/10.18280/ijht.410221
299	Muslimin, Napitupulu, N.D., Rahman, N.	Plant Leaf Chlorophyll Based DSSC Solar Cell with ITO Transparent Nanoparticle Alloy	DSSC performance, dye chlorophyll, annealing, ITO grain size	41, 2, 462-468	https://doi.org/10.18280/ijht.410222	Muslimin, Napitupulu, N.D., Rahman, N. (2023). Plant leaf chlorophyll based DSSC solar cell with ITO transparent nanoparticle alloy. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 462-468. https://doi.org/10.18280/ijht.410222
300	Abood, M.H., Mohammed, H.N., Atiyah, B.S.	Improving the Performance of a Solar Pond Using TEG: An Experimental Investigation	salinity gradient, solar pond, magnesium sulfate, reflectors	41, 2, 469-474	https://doi.org/10.18280/ijht.410223	Abood, M.H., Mohammed, H.N., Atiyah, B.S. (2023). Improving the performance of a solar pond using TEG: An experimental investigation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 469-474. https://doi.org/10.18280/ijht.410223
301	Yassien, H.N.S., Mustafa, A.O.A., Soheel, A.H., Hassan, F.I.A.	Experimental Investigation on the Effect of Sawdust Particles Size on Its Thermal Conductivity	thermal conductivity, heat conduction, sawdust particle size, insulator, waste biomass	41, 2, 475-480	https://doi.org/10.18280/ijht.410224	Yassien, H.N.S., Mustafa, A.O.A., Soheel, A.H., Hassan, F.I.A. (2023). Experimental investigation on the effect of sawdust particles size on its thermal conductivity. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 2, pp. 475-480. https://doi.org/10.18280/ijht.410224
302	Rashid, F.L., Al-Gaheeshi, A.M.R., Rahman, M.H., Basem, A.	Mixed Convection Heat Transfer in a Channel-Open Cavity with Two Heat Sources	two heated sources, open cavity, forced convection, natural convection, mixed convection	41, 1, 1-13	https://doi.org/10.18280/ijht.410101	Rashid, F.L., Al-Gaheeshi, A.M.R., Rahman, M.H., Basem, A. (2023). Mixed convection heat transfer in a channel-open cavity with two heat sources. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 1-13. https://doi.org/10.18280/ijht.410101
303	Boutelis, H., Benderradji, A., Titouna, D., Serir, L.	Numerical Study of Mixed Convection in Uniformly Heated Air-Based Tubular Cavity Receiver of Solar Parabolic Trough Concentrator with Different Boundary Conditions	buoyancy force, Grashof number, laminar mixed convection, parabolic trough collector, Prandtl number, solar elevation angle	41, 1, 14-26	https://doi.org/10.18280/ijht.410102	Boutelis, H., Benderradji, A., Titouna, D., Serir, L. (2023). Numerical study of mixed convection in uniformly heated air-based tubular cavity receiver of solar parabolic trough concentrator with different boundary conditions. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 14-26. https://doi.org/10.18280/ijht.410102
304	Liu, M.M., Wu, L.P., Wu, K.F., Li, J.P.	Remote Temperature Control Strategy of Multi-energy Heat Collection Based on the Internet of Things	Internet of Things (IoT), multi-energy, heat collection, remote temperature control	41, 1, 27-34	https://doi.org/10.18280/ijht.410103	Liu, M.M., Wu, L.P., Wu, K.F., Li, J.P. (2023). Remote temperature control strategy of multi-energy heat collection based on the internet of things. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 27-34. https://doi.org/10.18280/ijht.410103
305	Abdulrasool, A.A., Aljibory, M.W., Abbas, A.K., Al-Silbi, M.M.	A Computational Study of Perforated Helical Tube Inserted in a Double Pipe Heat Exchanger with Fluid Injection	double-pipe heat exchanger (DPHE), perforated turbulator (PT), two methods of fluid injection, two-phase flow, oscillatory flow, thermal-hydraulic performance, exergy calculations	41, 1, 35-45	https://doi.org/10.18280/ijht.410104	Abdulrasool, A.A., Aljibory, M.W., Abbas, A.K., Al-Silbi, M.M. (2023). A computational study of perforated helical tube inserted in a double pipe heat exchanger with fluid injection. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 35-45. https://doi.org/10.18280/ijht.410104
306	Selicati, V., Cardinale, N.	Beneficial Impacts on Environment and Society Through Smart Sustainable Maintenance of Public Real Estate	energy audit, energy efficiency, life cycle assessment, indoor air quality, sick building syndrome	41, 1, 46-54	https://doi.org/10.18280/ijht.410105	Selicati, V., Cardinale, N. (2023). Beneficial impacts on environment and society through smart sustainable maintenance of public real estate. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 46-54. https://doi.org/10.18280/ijht.410105

307	Li, L., Li, W.Y., Ma, J.L.	Research on Coordinated Control Strategy of Power Response Rate of Thermal Power Plant with High Temperature Molten Salt Heat Storage	molten salt heat accumulation, coordinated control system, a frequency modulation, the depth of the load	41, 1, 55-62	https://doi.org/10.18280/ijht.410106	Li, L., Li, W.Y., Ma, J.L. (2023). Research on coordinated control strategy of power response rate of thermal power plant with high temperature molten salt heat storage. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 55-62. https://doi.org/10.18280/ijht.410106
308	Achille, K., Ghislain, M.M., Louis, M., Adolphe, M.I.	Determination at Variable Temperatures and Analysis of the Physico-Thermal Properties of Palm Kernel and Castor Oil Methyl Esters as Dielectrics for Power Transformers	thermal conductivity, relative density, methyl esters, specific heat, kinematic viscosity	41, 1, 63-71	https://doi.org/10.18280/ijht.410107	Achille, K., Ghislain, M.M., Louis, M., Adolphe, M.I. (2023). Determination at variable temperatures and analysis of the physico-thermal properties of palm kernel and castor oil methyl esters as dielectrics for power transformers. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 63-71. https://doi.org/10.18280/ijht.410107
309	Becheri, D., Douha, M.	The Buoyancy Ratio Number Effect on Al ₂ O ₃ -Water Nanofluid Magneto Convective Transport Considering Buongiorno Model in Existence of Surface Radiation	free convection, Buongiorno model, nanofluid, surface radiation, gauss's theorem	41, 1, 72-86	https://doi.org/10.18280/ijht.410108	Becheri, D., Douha, M. (2023). The buoyancy ratio number effect on Al ₂ O ₃ -water nanofluid magneto convective transport considering Buongiorno model in existence of surface radiation. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 72-86. https://doi.org/10.18280/ijht.410108
310	Chang, S.B.	Influence of Ionic Wind in Micro Electrostatic Precipitator on Internal Air Flow Characteristics	high voltage ionization, electrohydrodynamics, electrostatic precipitator, ionic wind, multi-physical field numerical analysis	41, 1, 87-94	https://doi.org/10.18280/ijht.410109	Chang, S.B. (2023). Influence of ionic wind in micro electrostatic precipitator on internal air flow characteristics. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 87-94. https://doi.org/10.18280/ijht.410109
311	Suyitno, B.M., Rahmalina, D., Ismail, Rahman, R.A.	Evaluation on the Discharging Rate and State of Health of Paraffin/HDPE after 10,000 Thermal Cycling under Various Charging Speed	charging speed, HDPE, PCM, state of health, thermal stress	41, 1, 95-102	https://doi.org/10.18280/ijht.410110	Suyitno, B.M., Rahmalina, D., Ismail, Rahman, R.A. (2023). Evaluation on the discharging rate and state of health of paraffin/HDPE after 10,000 thermal cycling under various charging speed. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 95-102. https://doi.org/10.18280/ijht.410110
312	Sarairoh, M.	Thermal Management in Electric Vehicles: Modeling and Prospects	heat transfer, thermal management, battery optimization, electrochemical	41, 1, 103-116	https://doi.org/10.18280/ijht.410111	Sarairoh, M. (2023). Thermal management in electric vehicles: Modeling and prospects. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 103-116. https://doi.org/10.18280/ijht.410111
313	Zhang, X., Liu, J.L., Ma, L.	Experiments on Mixotrophic Denitrification under Different Hydraulic Loads and Water Temperatures	sulfur mixotrophic denitrification, deep treatment, two-factor ANOVA	41, 1, 117-124	https://doi.org/10.18280/ijht.410112	Zhang, X., Liu, J.L., Ma, L. (2023). Experiments on mixotrophic denitrification under different hydraulic loads and water temperatures. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 117-124. https://doi.org/10.18280/ijht.410112
314	Kadhim, S.A., Al-Ghezi, M.K.S., Shehab, W.Y.	Optimum Orientation of Non-Tracking Solar Applications in Baghdad City	solar energy, tilt angle, orientation, solar photovoltaic panels, solar thermal collectors	41, 1, 125-134	https://doi.org/10.18280/ijht.410113	Kadhim, S.A., Al-Ghezi, M.K.S., Shehab, W.Y. (2023). Optimum orientation of non-tracking solar applications in Baghdad city. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 125-134. https://doi.org/10.18280/ijht.410113
315	Anthony, J., Elamparithi, S.	Effect of MHD and Surface Roughness on Porous Step-Slider Bearing Lubricated with Couple-Stress Fluid	couple stress fluid, MHD, porous, Rayleigh step slider bearing, surface roughness	41, 1, 135-142	https://doi.org/10.18280/ijht.410114	Anthony, J., Elamparithi, S. (2023). Effect of MHD and surface roughness on porous step-slider bearing lubricated with couple-stress fluid. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 135-142. https://doi.org/10.18280/ijht.410114
316	Wang, Z.D.	A Thermal Management Strategy for Inverter System Based on Predictive Control	predictive control, inverter, thermal management strategy	41, 1, 143-150	https://doi.org/10.18280/ijht.410115	Wang, Z.D. (2023). A thermal management strategy for inverter system based on predictive control. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 143-150. https://doi.org/10.18280/ijht.410115
317	Abbadly, K., Al-Mutawa, N., Almutairi, A.	New Adapted One-Dimensional Mathematical and Regression Model to Predict Ejector Performance	ejector, refrigeration, mathematical model, empirical correlation, regression	41, 1, 151-161	https://doi.org/10.18280/ijht.410116	Abbadly, K., Al-Mutawa, N., Almutairi, A. (2023). New adapted one-dimensional mathematical and regression model to predict ejector performance. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 151-161. https://doi.org/10.18280/ijht.410116
318	Gendera, M., Ludwig, W.	CFD Modelling of Pressure Drop in Double-Pipe Heat Exchanger with Turbulators Using a Porous Media Model	CFD, porous media, turbulators, pressure drop	41, 1, 162-170	https://doi.org/10.18280/ijht.410117	Gendera, M., Ludwig, W. (2023). CFD modelling of pressure drop in double-pipe heat exchanger with turbulators using a porous media model. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 162-170. https://doi.org/10.18280/ijht.410117
319	Liu, X.L., Jin, L., Gao, J., Wang, S.Y.F.	Modelling of Coupled Temperature Field in Multi-Modal Thermal Process and Its Analytical Solutions	multi-modal thermal process, coupled temperature field, analytical solution, thermal power plant, cross entropy	41, 1, 171-178	https://doi.org/10.18280/ijht.410118	Liu, X.L., Jin, L., Gao, J., Wang, S.Y.F. (2023). Modelling of coupled temperature field in multi-modal thermal process and its analytical solutions. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 171-178. https://doi.org/10.18280/ijht.410118
320	Abdulateef, A.M.	Evaluating the Thermal Performance of Steam Condenser Heat Exchanger in a Coal Fired Power Plant System	steam condenser back pressure, turbine power output, cold water temperature, Cold Water Flow rate, convection heat transfer coefficient, logarithmic mean temperature difference	41, 1, 179-186	https://doi.org/10.18280/ijht.410119	Abdulateef, A.M. (2023). Evaluating the thermal performance of steam condenser heat exchanger in a coal fired power plant system. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 179-186. https://doi.org/10.18280/ijht.410119
321	Alyaseen, N.O.M., Mehrzad, S., Saffarian, M.R.	Design of the Multistream Plate-Fin Heat Exchanger in the Air Separation Units	thermodynamic properties, multistream plate-fin heat exchanger (MSPFHE), analytical solutions, aspen EDR, MATLAB	41, 1, 187-196	https://doi.org/10.18280/ijht.410120	Alyaseen, N.O.M., Mehrzad, S., Saffarian, M.R. (2023). Design of the multistream plate-fin heat exchanger in the air separation units. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 187-196. https://doi.org/10.18280/ijht.410120
322	Zheng, X.	Heat Balance Features of Decelerator System Considering Real-Time Reliability	system reliability, decelerator, heat balance, heat conduction	41, 1, 197-204	https://doi.org/10.18280/ijht.410121	Zheng, X. (2023). Heat balance features of decelerator system considering real-time reliability. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 197-204. https://doi.org/10.18280/ijht.410121
323	Loganathan, A., Elamparithi, S.	MHD Heat and Mass Transfer Steady Flow of a Convective Fluid Through a Porous Plate in the Presence of Multiple Parameters Along with Dufour Effect	MHD, heat and mass transfer, dufour effect, convective fluid	41, 1, 205-212	https://doi.org/10.18280/ijht.410122	Loganathan, A., Elamparithi, S. (2023). MHD heat and mass transfer steady flow of a convective fluid through a porous plate in the presence of multiple parameters along with dufour effect. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 205-212. https://doi.org/10.18280/ijht.410122

324	Nayyef, D.R., Mahdi, A.A.	Numerical Comparison of Thermal Comfort and Air Age Between Two Combined Ventilation Systems with Chilled Ceiling Considering Occupant Density	chilled ceiling, mixing ventilation, personalized ventilation, age of air, air exchange efficiency, occupant density	41, 1, 213-223	https://doi.org/10.18280/ijht.410123	Nayyef, D.R., Mahdi, A.A. (2023). Numerical comparison of thermal comfort and air age between two combined ventilation systems with chilled ceiling considering occupant density. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 213-223. https://doi.org/10.18280/ijht.410123
325	Zhang, Y.F., Jiang, P.F., Li, C.S., Zhao, Z.Q., Gao, S., Yao, S., Sui, H.B., Huang, J.Q.	Evolution Law of Porosity and Permeability in In-Situ Pyrolysis Zone of Oil Shale	oil shale, in-situ pyrolysis, temperature field, permeability, porosity	41, 1, 224-230	https://doi.org/10.18280/ijht.410124	Zhang, Y.F., Jiang, P.F., Li, C.S., Zhao, Z.Q., Gao, S., Yao, S., Sui, H.B., Huang, J.Q. (2023). Evolution law of porosity and permeability in in-situ pyrolysis zone of oil shale. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 224-230. https://doi.org/10.18280/ijht.410124
326	Al-hadithi, M.B., Jalil, S.M., Abdulghafour, A.B.	Experimental Investigation of Thermal Performance for Innovative Spiral Solar Collector	flat plate solar collector, spiral solar collector, solar water collector efficiency, useful heat gain, experimental investigation	41, 1, 231-238	https://doi.org/10.18280/ijht.410125	Al-hadithi, M.B., Jalil, S.M., Abdulghafour, A.B. (2023). Experimental investigation of thermal performance for innovative spiral solar collector. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 231-238. https://doi.org/10.18280/ijht.410125
327	Pamuttu, D.L., Akbar, M., Andika, A.P., Hariyanto, H.	An Investigation of Hybrid Renewable Energy Potential by Harnessing Traffic Flow	renewable energy potential, hybrid renewable energy, traffic flow	41, 1, 239-246	https://doi.org/10.18280/ijht.410126	Pamuttu, D.L., Akbar, M., Andika, A.P., Hariyanto, H. (2023). An investigation of hybrid renewable energy potential by harnessing traffic flow. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 239-246. https://doi.org/10.18280/ijht.410126
328	Zhang, X.H., Yu, P., Li, Y.P., Yao, Z.Q.	Mechanical Properties and Thermal Insulation of Straw Fiber-Reinforced Perlite Concrete	forest road, straw fiber, perlite, concrete, mechanical property and thermal insulation	41, 1, 247-252	https://doi.org/10.18280/ijht.410127	Zhang, X.H., Yu, P., Li, Y.P., Yao, Z.Q. (2023). Mechanical properties and thermal insulation of straw fiber-reinforced perlite concrete. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 247-252. https://doi.org/10.18280/ijht.410127
329	Shaheed, H.R., Mohammed, H.N., Radhi, R.M.	Evaluation Performance of the Steam Power Plant in Iraq Based on Energy and Exergy Analysis	exergy analysis, thermal efficiency, second law efficiency, steam power plant	41, 1, 253-258	https://doi.org/10.18280/ijht.410128	Shaheed, H.R., Mohammed, H.N., Radhi, R.M. (2023). Evaluation performance of the steam power plant in Iraq based on energy and exergy analysis. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 253-258. https://doi.org/10.18280/ijht.410128
330	Marino, C., Nucara, A., Panzera, M.F., Pietrafesa, M.	Design and Construction of a UAV for High Atmosphere Flight Powered by Hydrogen Fuel Cell	volcanic emissions, unmanned aerial vehicle, hydrogen, fuel cell	41, 1, 259-264	https://doi.org/10.18280/ijht.410129	Marino, C., Nucara, A., Panzera, M.F., Pietrafesa, M. (2023). Design and construction of a UAV for high atmosphere flight powered by hydrogen fuel cell. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 259-264. https://doi.org/10.18280/ijht.410129
331	Jasim, Q.K.	Studying the Effect of Cooling Methods on the Performance of Solar Cells	photovoltaic cells, electrical energy, solar, light stimulating, cooling, flow rate	41, 1, 265-270	https://doi.org/10.18280/ijht.410130	Jasim, Q.K. (2023). Studying the effect of cooling methods on the performance of solar cells. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 265-270. https://doi.org/10.18280/ijht.410130
332	Ma, C.L.	Thermal Properties and Fire Resistance of Cement Base Material for Road Pavement Based on Finite Element Analysis	finite element analysis, road, cement base, thermal properties, fire resistance	41, 1, 271-277	https://doi.org/10.18280/ijht.410131	Ma, C.L. (2023). Thermal properties and fire resistance of cement base material for road pavement based on finite element analysis. <i>International Journal of Heat and Technology</i> , Vol. 41, No. 1, pp. 271-277. https://doi.org/10.18280/ijht.410131
333	Sayoud, N., Kermiche, M., Touati, H.	Identification of the Effect of Mass Flow Rate and Hydrogen to Hydrocarbon Ratio on the Thermal Performance of a Shell and Tube Heat Exchanger – An Industrial Case Study	heat exchanger, HYSYS simulation software, H ₂ /HC ratio, kern method, mass flow rate effect	40, 6, 1349-1358	https://doi.org/10.18280/ijht.400601	Sayoud, N., Kermiche, M., Touati, H. (2022). Identification of the effect of mass flow rate and hydrogen to hydrocarbon ratio on the thermal performance of a shell and tube heat exchanger – an industrial case study. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1349-1358. https://doi.org/10.18280/ijht.400601
334	Khairunnisa, N., Arifin, Z., Kristiawan, B., Hijriawan, M., Prasetyo, S.D.	Investigation of Spirals Rectangular and Rectangular Tubes Collector Design in Photovoltaic Solar Cell Cooling Systems	heat exchanger, solar PV, water cooling, intensity, spiral rectangular tubes	40, 6, 1359-1365	https://doi.org/10.18280/ijht.400602	Khairunnisa, N., Arifin, Z., Kristiawan, B., Hijriawan, M., Prasetyo, S.D. (2022). Investigation of spirals rectangular and rectangular tubes collector design in photovoltaic solar cell cooling systems. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1359-1365. https://doi.org/10.18280/ijht.400602
335	Shen, T.Q.	Technical Suitability of Energy Saving Scheme for Optimizing the Thermal Insulation Layer Thickness of Residential Building Exterior Wall	technical suitability, economical thickness, suitable thickness	40, 6, 1366-1375	https://doi.org/10.18280/ijht.400603	Shen, T.Q. (2022). Technical suitability of energy saving scheme for optimizing the thermal insulation layer thickness of residential building exterior wall. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1366-1375. https://doi.org/10.18280/ijht.400603
336	Magdi, J., Samy, I., Mina, E.	Improving the Performance of Organic Photovoltaic Panels by Integrating Heat Pipe for Cooling	heat transfer, renewable energy, organic photovoltaic, heat pipe, thermal stability	40, 6, 1376-1385	https://doi.org/10.18280/ijht.400604	Magdi, J., Samy, I., Mina, E. (2022). Improving the performance of organic photovoltaic panels by integrating heat pipe for cooling. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1376-1385. https://doi.org/10.18280/ijht.400604
337	Uka, U.A., Agbo, K.O., Omamoke, E., Amos, E., Keneke, E.D.	Analysis and Simulation of Hydromagnetic Nano-Fluid Flow Passing an Inclined Heated Sheet	free convection, hydrodynamic, nanofluid, series approximation, similarity transformation, thermofusion, diffusivity, nanoparticle	40, 6, 1386-1396	https://doi.org/10.18280/ijht.400605	Uka, U.A., Agbo, K.O., Omamoke, E., Amos, E., Keneke, E.D. (2022). Analysis and simulation of hydromagnetic nano-fluid flow passing an inclined heated sheet. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1386-1396. https://doi.org/10.18280/ijht.400605
338	Zhou, D.H., Liao, R.Q., Wang, W., Ma, B., Luo, W.	Optimization of the Pressure Drop Prediction Model of Wellbore Multiphase Flow Based on Simultaneous Perturbation Stochastic Approximation	wellbore multiphase flow, pressure calculation, SPSA, Liquid holdup, optimal parameter, gas lift design	40, 6, 1397-1403	https://doi.org/10.18280/ijht.400606	Zhou, D.H., Liao, R.Q., Wang, W., Ma, B., Luo, W. (2022). Optimization of the pressure drop prediction model of wellbore multiphase flow based on simultaneous perturbation stochastic approximation. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1397-1403. https://doi.org/10.18280/ijht.400606
339	Mahdi, Q.A., Mashkour, M.A., Mhmood, I.A.	Combined Impact of EGR Rate and Magnetic Intensity on Performance and Emission of C.I. Engine Operated with Blended Fuel	diesel engine, magnetic fuel conditioner, ignition delay, brake power, biodiesel, Taguchi approach, heat release rate, injection pressure	40, 6, 1404-1415	https://doi.org/10.18280/ijht.400607	Mahdi, Q.A., Mashkour, M.A., Mhmood, I.A. (2022). Combined impact of EGR rate and magnetic intensity on performance and emission of C.I. engine operated with blended fuel. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1404-1415. https://doi.org/10.18280/ijht.400607
340	Cheng, X.L., Zhang, X.J., Wu, J.	Characteristic Analysis of Navigable Flow Conditions and Numerical Simulation of Water Conservancy in Steep Bay Section of the Navigable Tunnel	steep bay, navigable tunnel, analysis of flow condition characteristics, numerical simulation of water conservancy	40, 6, 1416-1423	https://doi.org/10.18280/ijht.400608	Cheng, X.L., Zhang, X.J., Wu, J. (2022). Characteristic analysis of navigable flow conditions and numerical simulation of water conservancy in steep bay section of the navigable tunnel. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1416-1423. https://doi.org/10.18280/ijht.400608

341	Kareem, H.H., Hussien, F.M., Faraj, J.J.	The Numerical Simulation of Thermal Efficiency of Triple Pipe Heat Exchanger Using PCMs (Paraffin and Lauric Acid) System	triple pipe heat exchanger, lauric acid, paraffin, PCM	40, 6, 1424-1431	https://doi.org/10.18280/ijht.400609	Kareem, H.H., Hussien, F.M., Faraj, J.J. (2022). The numerical simulation of thermal efficiency of triple pipe heat exchanger using PCMs (paraffin and lauric acid) system. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1424-1431. https://doi.org/10.18280/ijht.400609
342	Yan, S., Liang, Q.H., Wen, L.Y.	Process Study and Application of Hot-rolled Aluminum-Zinc Plating Steel Plate Unit	hot-rolled aluminum-zinc plating, unit process, annealing temperature, hot dip	40, 6, 1432-1439	https://doi.org/10.18280/ijht.400610	Yan, S., Liang, Q.H., Wen, L.Y. (2022). Process study and application of hot-rolled aluminum-zinc plating steel plate unit. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1432-1439. https://doi.org/10.18280/ijht.400610
343	Salah, H., Bahraoui, F., Hrou, E.	MRT LBM Simulation on Friction Reduction by Lubrication Nanoadditives	nanolubricant, friction reduction, LBM simulation, nanoparticles diameter	40, 6, 1440-1446	https://doi.org/10.18280/ijht.400611	Salah, H., Bahraoui, F., Hrou, E. (2022). MRT LBM simulation on friction reduction by lubrication nanoadditives. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1440-1446. https://doi.org/10.18280/ijht.400611
344	Li, M., Cheng, X.K.	Identification and Prediction of Thermodynamic Disasters During Deep Coal Mining	deep coal mining, thermodynamic disaster, disaster identification, disaster prediction	40, 6, 1447-1453	https://doi.org/10.18280/ijht.400612	Li, M., Cheng, X.K. (2022). Identification and prediction of thermodynamic disasters during deep coal mining. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1447-1453. https://doi.org/10.18280/ijht.400612
345	Nassir, A.K., Shahad, H.A.K.	Energy and Exergy Performance Analysis of Different Kalina Cycle Configurations	waste heat, modified Kalina cycle system, aqua-ammonia, exhaust heat recovery	40, 6, 1454-1461	https://doi.org/10.18280/ijht.400613	Nassir, A.K., Shahad, H.A.K. (2022). Energy and exergy performance analysis of different Kalina cycle configurations. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1454-1461. https://doi.org/10.18280/ijht.400613
346	Xia, H.B.	Thermal-Mechanical Coupling Analysis of Track Concrete and Study on Thermal Damage at Initial Stage of Construction	track traffic project, thermal-mechanical coupling analysis, cement hydration, thermal damage model	40, 6, 1462-1469	https://doi.org/10.18280/ijht.400614	Xia, H.B. (2022). Thermal-mechanical coupling analysis of track concrete and study on thermal damage at initial stage of construction. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1462-1469. https://doi.org/10.18280/ijht.400614
347	Ismail, Syahbana, M.S.L., Rahman, R.A.	Thermal Performance Assessment for an Active Latent Heat Storage Tank by Using Various Finned-Coil Heat Exchangers	heat exchanger, phase change material, mushy region, void formation, power effective	40, 6, 1470-1477	https://doi.org/10.18280/ijht.400615	Ismail, Syahbana, M.S.L., Rahman, R.A. (2022). Thermal performance assessment for an active latent heat storage tank by using various finned-coil heat exchangers. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1470-1477. https://doi.org/10.18280/ijht.400615
348	Sultan, J.N., Karash, E.T., Kassim, M.T.E., Ali, A.M., Ibrhim, H.A.	The Effect of Carburization and Repeated Heat Treatment with Different Solutions on the Fatigue Resistance of Medium Carbon Steel	martensite, fatigue, heat treatment, tempering, quenching, carbonization	40, 6, 1478-1484	https://doi.org/10.18280/ijht.400616	Sultan, J.N., Karash, E.T., Kassim, M.T.E., Ali, A.M., Ibrhim, H.A. (2022). The effect of carburization and repeated heat treatment with different solutions on the fatigue resistance of medium carbon steel. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1478-1484. https://doi.org/10.18280/ijht.400616
349	Shi, X.M.	Thermal Environment Effect of Landscape Ecological Pattern and Dynamic Analysis of Pattern Evolution	landscape ecological pattern, urban thermal environment effect, analysis of pattern evolution of thermal environment	40, 6, 1485-1491	https://doi.org/10.18280/ijht.400617	Shi, X.M. (2022). Thermal environment effect of landscape ecological pattern and dynamic analysis of pattern evolution. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1485-1491. https://doi.org/10.18280/ijht.400617
350	Kumar, R., Chavan, S.	Numerical and Experimental Investigation of Thermal Behaviour for Fast Charging and Discharging of Various 18650 Lithium Batteries of Electric Vehicles	numerical investigation, experimental investigation, battery thermal management, electric vehicle and lithium battery	40, 6, 1492-1499	https://doi.org/10.18280/ijht.400618	Kumar, R., Chavan, S. (2022). Numerical and experimental investigation of thermal behaviour for fast charging and discharging of various 18650 lithium batteries of electric vehicles. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1492-1499. https://doi.org/10.18280/ijht.400618
351	Alshuraiaan, B.	Mixed Convection Flow and Heat Transfer of Two Rotating Cylinders in a Trapezoidal Enclosure Filled with Porous Medium	mixed convection, porous medium, rotating cylinders, trapezoidal cavity, two cylinders	40, 6, 1500-1506	https://doi.org/10.18280/ijht.400619	Alshuraiaan, B. (2022). Mixed convection flow and heat transfer of two rotating cylinders in a trapezoidal enclosure filled with porous medium. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1500-1506. https://doi.org/10.18280/ijht.400619
352	Maniana, M., Azim, A., Errchiqui, F., Tajmouati, A	Reconstruction of the Thermal Source from the Temperature Measured Case of Surface Heat Treatment of Steel by Laser Beam	inverse problem, heat transfer, heat treatment, laser beam, steel, solid-state phase transformation, conjugate gradient method, finite elements method, 3D	40, 6, 1507-1513	https://doi.org/10.18280/ijht.400620	Maniana, M., Azim, A., Errchiqui, F., Tajmouati, A. (2022). Reconstruction of the thermal source from the temperature measured case of surface heat treatment of steel by laser beam. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1507-1513. https://doi.org/10.18280/ijht.400620
353	Lv, M.L., Zhao, J.P., Cao, S.X., Tang, Z.H.	NOx Emission Prediction Based on SSA-DELM via CFD and DCS Data Fusion	NOx emission, deep extreme learning machine, CFD simulation, sparrow search algorithm	40, 6, 1514-1521	https://doi.org/10.18280/ijht.400621	Lv, M.L., Zhao, J.P., Cao, S.X., Tang, Z.H. (2022). NOx emission prediction based on SSA-DELM via CFD and DCS data fusion. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1514-1521. https://doi.org/10.18280/ijht.400621
354	Vijaya, K., Lavanya, B.	Chemical Reaction Effects on of Nanofluid Past a Permeable Stretching Sheet with Slip Boundary Conditions and MHD Boundary Layer Flow	MHD, heat transfer, mass transfer, nanofluid, stretching sheet, Brownian motion, thermophoresis	40, 6, 1522-1532	https://doi.org/10.18280/ijht.400622	Vijaya, K., Lavanya, B. (2022). Chemical reaction effects on of nanofluid past a permeable stretching sheet with slip boundary conditions and MHD boundary layer flow. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1522-1532. https://doi.org/10.18280/ijht.400622
355	Neverov, E.N., Korotkiy, I.A., Korotkih, P.S., Mokrushin, M.Y.	Improving the Environmental Efficiency of Engineering Systems Operating under the Scheme of Secondary Use of Thermal Energy	coolant, greenhouse effect, heat recovery, heat transfer, refrigeration machine	40, 6, 1533-1539	https://doi.org/10.18280/ijht.400623	Neverov, E.N., Korotkiy, I.A., Korotkih, P.S., Mokrushin, M.Y. (2022). Improving the environmental efficiency of engineering systems operating under the scheme of secondary use of thermal energy. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 6, pp. 1533-1539. https://doi.org/10.18280/ijht.400623
356	Lorenzini, E., Cardinale, T.	Economy, Pollution, Energy, Environment, Climate: From the Past to the Future	renewable energy, fossil fuels, climate, pollution, population increase	40, 3, 661-664	https://doi.org/10.18280/ijht.400301	Lorenzini, E., Cardinale, T. (2022). Economy, pollution, energy, environment, climate: From the past to the future. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 661-664. https://doi.org/10.18280/ijht.400301
357	Cirillo, L., Greco, A., Masselli, C.	CHECK TEMPERATURE: A Small-Scale Elastocaloric Device for the Cooling of the Electronic Circuits	elastocaloric effect, not-in-kind technology, prototype, caloric cooling, shape-memory alloys	40, 3, 665-670	https://doi.org/10.18280/ijht.400302	Cirillo, L., Greco, A., Masselli, C. (2022). CHECK TEMPERATURE: A small-scale elastocaloric device for the cooling of the electronic circuits. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 665-670. https://doi.org/10.18280/ijht.400302

358	Abbas, S.A., Eidan, A.A., Al Sahlani, A.	Solar Reactor Review	solar reactors, high temperature, solid-gas reactors, particle receivers	40, 3, 671-684	https://doi.org/10.18280/ijht.400303	Abbas, S.A., Eidan, A.A., Al Sahlani, A. (2022). Solar reactor review. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 671-684. https://doi.org/10.18280/ijht.400303
359	Yan, S., Liang, Q.H., Wen, L.Y.	Causes and Prevention Measures of Bright Pitting Defects on Surface of Hot-Rolled Galvalume Steel Sheets	hot-rolled galvalume, pitting defect, air knife, steel sheet, plating, zinc kettle, dross	40, 3, 685-692	https://doi.org/10.18280/ijht.400304	Yan, S., Liang, Q.H., Wen, L.Y. (2022). Causes and prevention measures of bright pitting defects on surface of hot-rolled galvalume steel sheets. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 685-692. https://doi.org/10.18280/ijht.400304
360	Maniana, M., Azime, A., Errechiqui, F., Tajmouati, A.	Analytical and Numerical Analysis of Thermal Transfer in Disc Brake	brake system, disc, pads, evolution temperature, friction contact, heat flow, simulation, numerical analysis, analytical solution	40, 3, 693-698	https://doi.org/10.18280/ijht.400305	Maniana, M., Azime, A., Errechiqui, F., Tajmouati, A. (2022). Analytical and numerical analysis of thermal transfer in disc brake. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 693-698. https://doi.org/10.18280/ijht.400305
361	Ibrahim, M.N.J., Hammoodi, K.A., Abdulsahib, A.D., Flayyih, M.A.	Study of Natural Convection Inside Inclined Nanofluid Cavity with Hot Inner Bodies (Circular and Ellipse Cylinders)	nanofluid, natural convection, circular and ellipse cylinders, inclined square enclosure	40, 3, 699-705	https://doi.org/10.18280/ijht.400306	Ibrahim, M.N.J., Hammoodi, K.A., Abdulsahib, A.D., Flayyih, M.A. (2022). Study of natural convection inside inclined nanofluid cavity with hot inner bodies (circular and ellipse cylinders). <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 699-705. https://doi.org/10.18280/ijht.400306
362	Li, H., Gong, G., Lv, T.	Effect of Thermal Aging on Dynamic Mechanical Performance of a Novel Structural Adhesive	structural adhesive, thermal aging, dynamic mechanical performance, accelerated characterization	40, 3, 706-714	https://doi.org/10.18280/ijht.400307	Li, H., Gong, G., Lv, T. (2022). Effect of thermal aging on dynamic mechanical performance of a novel structural adhesive. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 706-714. https://doi.org/10.18280/ijht.400307
363	Gudi, A., Hinasageri, V.	Novel Method to Improve Heat Transfer Rate Through Delta Swirl Tape for a Swirl Jet Impingement Study	Nusselt number, jet impingement, Reynolds number, thermal imaging, experimental studies	40, 3, 715-721	https://doi.org/10.18280/ijht.400308	Gudi, A., Hinasageri, V. (2022). Novel method to improve heat transfer rate through delta swirl tape for a swirl jet impingement study. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 715-721. https://doi.org/10.18280/ijht.400308
364	Rachid, S., Habib, M., Ismail, D.	Effect of the Moving Wall to the Thermal and Dynamic Field in a Square Cavity with a Heat Source	free convection, convection, square cavity convection, forced convection	40, 3, 722-728	https://doi.org/10.18280/ijht.400309	Rachid, S., Habib, M., Ismail, D. (2022). Effect of the moving wall to the thermal and dynamic field in a square cavity with a heat source. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 722-728. https://doi.org/10.18280/ijht.400309
365	Zhao, P.Y., Zhao, Y.L., Li, S.P., Yang, J.M., Xu, J.F., Li, L., Zhao, X.P.	Numerical Simulation of the Hydraulic Performance of Spillway of Goushuipo Reservoir	spillway, numerical simulation, 3D flow field, water surface line, bent flow	40, 3, 729-736	https://doi.org/10.18280/ijht.400310	Zhao, P.Y., Zhao, Y.L., Li, S.P., Yang, J.M., Xu, J.F., Li, L., Zhao, X.P. (2022). Numerical simulation of the hydraulic performance of spillway of Goushuipo Reservoir. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 729-736. https://doi.org/10.18280/ijht.400310
366	Roungbunrud, K., Chantawong, P., Khedari, J.	Development of a Stand-Alone Thermoelectric Power Generator Using Heat of Refrigerant Leaving the Condenser and Self-Cooled by Condensate of a Split-Type Air Conditioning	air conditioning, energy efficiency ratio, coefficient of performance, thermoelectric power generation, waste heat, water condensate	40, 3, 737-742	https://doi.org/10.18280/ijht.400311	Roungbunrud, K., Chantawong, P., Khedari, J. (2022). Development of a stand-alone thermoelectric power generator using heat of refrigerant leaving the condenser and self-cooled by condensate of a split-type air conditioning. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 737-742. https://doi.org/10.18280/ijht.400311
367	Zohri, M., Ramadhan, W., Fudholi, A.	Improvement Potential and Sustainability Index of Photovoltaic Thermal Solar Air Collector	improvement potential, sustainability index, photovoltaic thermal, indoor, outdoor	40, 3, 743-748	https://doi.org/10.18280/ijht.400312	Zohri, M., Ramadhan, W., Fudholi, A. (2022). Improvement potential and sustainability index of photovoltaic thermal solar air collector. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 743-748. https://doi.org/10.18280/ijht.400312
368	Dong, Y.D., Zhao, Y.G.B.	Wind Tunnel Experiment for the Hydrodynamics of Wind Resistance Energy Consumption of Human Body	resistance, movement, posture, wind tunnel experiment, drag coefficient	40, 3, 749-757	https://doi.org/10.18280/ijht.400313	Dong, Y.D., Zhao, Y.G.B. (2022). Wind tunnel experiment for the hydrodynamics of wind resistance energy consumption of human body. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 749-757. https://doi.org/10.18280/ijht.400313
369	Darwesh, B.D., Hamakhan, I.A., Yaqob, B.N.	Thermal Enhancement of Solar Energy Storage Using Phase Change Materials	flat plate solar water heating system, phase change material, solar energy, thermal energy storage, thermal performance	40, 3, 758-766	https://doi.org/10.18280/ijht.400314	Darwesh, B.D., Hamakhan, I.A., Yaqob, B.N. (2022). Thermal enhancement of solar energy storage using phase change materials. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 758-766. https://doi.org/10.18280/ijht.400314
370	Kemparaju, M.C., Lavanya, B., Nandeppanavar, M.M., Raveendra, N.	Casson MHD Nano Fluid Flow with Internal Heat Generation and Viscous Dissipation of an Exponential Stretching Sheet	Casson, nano fluid, viscous dissipation, exponential, heat generation	40, 3, 767-772	https://doi.org/10.18280/ijht.400315	Kemparaju, M.C., Lavanya, B., Nandeppanavar, M.M., Raveendra, N. (2022). Casson MHD nano fluid flow with internal heat generation and viscous dissipation of an exponential stretching sheet. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 767-772. https://doi.org/10.18280/ijht.400315
371	Kareem, B.E., Adham, A.M., Yaqob, B.N.	Performance Enhancement of a Ventilation System in Hot and Dry Climate Using Air-PCM Heat Exchanger	free ventilation, hot-dry climate, PCMs, thermal energy storage	40, 3, 773-780	https://doi.org/10.18280/ijht.400316	Kareem, B.E., Adham, A.M., Yaqob, B.N. (2022). Performance enhancement of a ventilation system in hot and dry climate using air-PCM heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 773-780. https://doi.org/10.18280/ijht.400316
372	Wang, Y.J., Zhang, J.A., Zhang, T.L., Lu, Z.W., Dong, H.	Analysis and Experiment of Heat Transfer Performance of Straight-Channel Grid Regenerator	straight-channel, grid regenerator, flow resistance loss, heat transfer performance	40, 3, 781-791	https://doi.org/10.18280/ijht.400317	Wang, Y.J., Zhang, J.A., Zhang, T.L., Lu, Z.W., Dong, H. (2022). Analysis and experiment of heat transfer performance of straight-channel grid regenerator. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 781-791. https://doi.org/10.18280/ijht.400317
373	Kada, A., Elmir, M., Mokhefi, A., Bouanini, M., Spiteri, P.	Numerical Study of the Elasto-Hydrodynamic Behavior of a Metallic Structure Subjected to a Nanofluid Flow	nanofluid-structure interaction, finite element method, Navier-stokes, arbitrary Lagrange-Euler, (ALE)	40, 3, 792-800	https://doi.org/10.18280/ijht.400318	Kada, A., Elmir, M., Mokhefi, A., Bouanini, M., Spiteri, P. (2022). Numerical study of the elasto-hydrodynamic behavior of a metallic structure subjected to a nanofluid flow. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 792-800. https://doi.org/10.18280/ijht.400318
374	Qiao, Y., Gao, F.	Hydrodynamics of Reservoirs in Arid Areas and Its Influencing Factors	Yazidang Reservoir, circulation, numerical simulation, wind field, boundary	40, 3, 801-805	https://doi.org/10.18280/ijht.400319	Qiao, Y., Gao, F. (2022). Hydrodynamics of reservoirs in arid areas and its influencing factors. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 801-805. https://doi.org/10.18280/ijht.400319

375	Ma, X.X., Zhang, F.S., Sun, J.H.	Flexural Performance and Thermomechanical Coupling Analysis of Full-Iron Tailings Reinforced Concrete Beams	full-iron tailings reinforced concrete (FIT-RC), conventional reinforced concrete (CRC), beam, flexural performance, thermal stress, thermal strain	40, 3, 806-814	https://doi.org/10.18280/ijht.400320	Ma, X.X., Zhang, F.S., Sun, J.H. (2022). Flexural performance and thermomechanical coupling analysis of full-iron tailings reinforced concrete beams. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 806-814. https://doi.org/10.18280/ijht.400320
376	Hassen, A.D.M., Al-Azawy, M.G., Mahdy, H.H.	Experimental Investigation of Thermal Performance Parameters of Drying Air Unit with a Different Flowrate of Liquid Desiccant Solution	liquid desiccant solution, air-conditioning systems, dehumidification devices, calcium chloride solution	40, 3, 815-820	https://doi.org/10.18280/ijht.400321	Hassen, A.D.M., Al-Azawy, M.G., Mahdy, H.H. (2022). Experimental investigation of thermal performance parameters of drying air unit with a different flowrate of liquid desiccant solution. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 815-820. https://doi.org/10.18280/ijht.400321
377	Lu, Y.F., Lu, X.F.	An Overall-Optimized Heat Dissipation Enhancement Design Scheme for Automation Systems Based on Microchannel Units and the Evaluation of Heat Dissipation Performance	microchannel, heat sink, automation system, heat dissipation, design scheme, enhancement, performance	40, 3, 821-82	https://doi.org/10.18280/ijht.400322	Lu, Y.F., Lu, X.F. (2022). An overall-optimized heat dissipation enhancement design scheme for automation systems based on microchannel units and the evaluation of heat dissipation performance. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 821-827. https://doi.org/10.18280/ijht.400322
378	Mohammed Kamil, M.G., Kassim, M.S., Mahmood, R.A.	Experimental Investigation of Coolant Side Characteristic on the Performance of Air-Cooled Condenser Structured by Horizontal Flattened Tube	steam condensation, distribution of temperature, vacuum condition, internal flattened tube, condenser absolute pressure	40, 3, 828-836	https://doi.org/10.18280/ijht.400323	Mohammed Kamil, M.G., Kassim, M.S., Mahmood, R.A. (2022). Experimental investigation of coolant side characteristic on the performance of air-cooled condenser structured by horizontal flattened tube. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 828-836. https://doi.org/10.18280/ijht.400323
379	Chen, D.P., Zhuang, J.X.	Application of Smart Phone in On-Site Test of Heat Transfer Coefficient of Building Envelope	building envelope, heat transfer coefficient, building energy conservation, K value detection	40, 3, 837-842	https://doi.org/10.18280/ijht.400324	Chen, D.P., Zhuang, J.X. (2022). Application of smart phone in on-site test of heat transfer coefficient of building envelope. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 837-842. https://doi.org/10.18280/ijht.400324
380	Salih, S.S.O., Hamakhan, I.I.A., Abdulkader, A.A.A.	Investigation of Thermal Performance of 3D Printing Integrated Phase Change Materials in Building Structure	building cooling, thermal energy storage, phase change material (PCM), building thermal control, wall heat transfer, and building enclosure	40, 3, 843-848	https://doi.org/10.18280/ijht.400325	Salih, S.S.O., Hamakhan, I.I.A., Abdulkader, A.A.A. (2022). Investigation of thermal performance of 3D printing integrated phase change materials in building structure. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 843-848. https://doi.org/10.18280/ijht.400325
381	Wang, L., Chen, L., Gao, L.	Warning Model of Coal Mine Ventilation Disaster Based on the Combination of K-Neighborhood-Gray Correlation Method and Its Application	coal mine ventilation, disaster warning, k-nearest neighbor, grey correlation analysis, intelligent management	40, 3, 849-854	https://doi.org/10.18280/ijht.400326	Wang, L., Chen, L., Gao, L. (2022). Warning model of coal mine ventilation disaster based on the combination of k-neighborhood-gray correlation method and its application. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 849-854. https://doi.org/10.18280/ijht.400326
382	Niou, S., Otmani, A., Dekhane, A., Azzouz, S.	Digital Analysis of Common Turbulence Patterns in Centrifugal Pump Flow Simulation Based on COMSOL Multiphysics Software	turbulence models, CFD simulation, centrifugal pump, COMSOL multiphysics	40, 3, 855-862	https://doi.org/10.18280/ijht.400327	Niou, S., Otmani, A., Dekhane, A., Azzouz, S. (2022). Digital analysis of common turbulence patterns in centrifugal pump flow simulation based on COMSOL multiphysics software. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 3, pp. 855-862. https://doi.org/10.18280/ijht.400327
383	Issa, R.J., Manla, E.	Feasibility of Using Phase Change Material in Photovoltaic Panels Solar Tracking	thermal actuator, phase change material, paraffin wax, solar tracking, photovoltaic panel	40, 2, 359-365	https://doi.org/10.18280/ijht.400201	Issa, R.J., Manla, E. (2022). Feasibility of using phase change material in photovoltaic panels solar tracking. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 359-365. https://doi.org/10.18280/ijht.400201
384	Fuentes, H., Valencia, A.	Comparison of Turbulent Flow and Heat Transfer in a Rectangular Channel with Delta Wing and Winglet Type Longitudinal Vortex Generators	turbulent flow, rectangular channel, longitudinal vortex generator, delta wing, delta winglet pair, rectangular winglet pair curved, thermal performance	40, 2, 366-374	https://doi.org/10.18280/ijht.400202	Fuentes, H., Valencia, A. (2022). Comparison of turbulent flow and heat transfer in a rectangular channel with delta wing and winglet type longitudinal vortex generators. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 366-374. https://doi.org/10.18280/ijht.400202
385	Kulkarni, K.G., Havaladar, S.N., Malapur, H.V.	Numerical Analysis of Concentrated Beam Solar Circular Receivers	circular solar receiver, spiral solar receiver, leaf type solar receiver, solar concentrator	40, 2, 375-382	https://doi.org/10.18280/ijht.400203	Kulkarni, K.G., Havaladar, S.N., Malapur, H.V. (2022). Numerical analysis of concentrated beam solar circular receivers. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 375-382. https://doi.org/10.18280/ijht.400203
386	Zhang, J.H., Song, F., Zhang, L.C., Wang, J., Liu, C.J.	Analysis on Hydraulic Fracturing of Concrete in Super-High Arch Dam Based on the Thermodynamic Principle of Minimum Energy Consumption Rate	thermodynamic principle of minimum energy consumption rate, concrete, hydraulic fracturing, hydrodynamic simulation	40, 2, 383-389	https://doi.org/10.18280/ijht.400204	Zhang, J.H., Song, F., Zhang, L.C., Wang, J., Liu, C.J. (2022). Analysis on hydraulic fracturing of concrete in super-high arch dam based on the thermodynamic principle of minimum energy consumption rate. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 383-389. https://doi.org/10.18280/ijht.400204
387	Homon, P., Chantawong, P., Khedari, J.	Experimental Investigation of Using Liquid Suction Heat Exchanger with Condensed Cold-Water on the Performance of Air Conditioning System	air conditioning system, liquid suction heat exchanger (LSHX), condensed cold water, performance, effectiveness, electricity	40, 2, 390-396	https://doi.org/10.18280/ijht.400205	Homon, P., Chantawong, P., Khedari, J. (2022). Experimental investigation of using liquid suction heat exchanger with condensed cold-water on the performance of air conditioning system. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 390-396. https://doi.org/10.18280/ijht.400205
388	Mouhsin, N., Bouzaid, M., Taha-Janani, M.	Experimental, Analytical and ANSYS Computation of Novel Cascade Solar Desalination Still	desalination, brackish water, cascade solar still, absorber temperature, ANSYS FLUENT, solar energy	40, 2, 397-404	https://doi.org/10.18280/ijht.400206	Mouhsin, N., Bouzaid, M., Taha-Janani, M. (2022). Experimental, analytical and ANSYS computation of novel cascade solar desalination still. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 397-404. https://doi.org/10.18280/ijht.400206
389	Jia, L.L., Li, H.Z., Wang, L., Zhang, D.X.	Geochemical Characteristics of Fluid Inclusions and Isotopes in Zhazixi Sb-W Deposit	Zhazixi Sb-W deposit, inclusion, isotope, ore-forming fluid	40, 2, 405-414	https://doi.org/10.18280/ijht.400207	Jia, L.L., Li, H.Z., Wang, L., Zhang, D.X. (2022). Geochemical characteristics of fluid inclusions and isotopes in Zhazixi Sb-W deposit. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 405-414. https://doi.org/10.18280/ijht.400207
390	Prasetyo, S.D., Prabowo, A.R., Arifin, Z.	Investigation of Thermal Collector Nanofluids to Increase the Efficiency of Photovoltaic Solar Cells	PV, thermal collector, nanofluids, ANSYS	40, 2, 415-422	https://doi.org/10.18280/ijht.400208	Prasetyo, S.D., Prabowo, A.R., Arifin, Z. (2022). Investigation of thermal collector nanofluids to increase the efficiency of photovoltaic solar cells. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 415-422. https://doi.org/10.18280/ijht.400208
391	Rukman, N.S.B, Fudholi, A., Nuriyana, W., Pikra, G., Sudibyo, H., Subekti, R.A., Susatyo, A., Utomo, Y.S., Riyanto, E., Radiansah, Y., Kuncoro, A.H., Abimanyu, H.	Thermal Efficiencies of Photovoltaic Thermal (PVT) with Bi-Fluid Cooling System	solar energy, PV/T technology, thermal efficiency	40, 2, 423-428	https://doi.org/10.18280/ijht.400209	Rukman, N.S.B, Fudholi, A., Nuriyana, W., Pikra, G., Sudibyo, H., Subekti, R.A., Susatyo, A., Utomo, Y.S., Riyanto, E., Radiansah, Y., Kuncoro, A.H., Abimanyu, H. (2022). Thermal efficiencies of photovoltaic thermal (PVT) with bi-fluid cooling system. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 423-428. https://doi.org/10.18280/ijht.400209

392	Zhang, M.	Evaluation and Improvement of the Comprehensive Cost-Benefit of Investment and Operation of New Energy Heating System	new energy heating (NEH) system, investment and operation, cost-benefit, on-spot consumption	40, 2, 429-435	https://doi.org/10.18280/ijht.400210	Zhang, M. (2022). Evaluation and improvement of the comprehensive cost-benefit of investment and operation of new energy heating system. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 429-435. https://doi.org/10.18280/ijht.400210
393	Badr, M.K., Ali, F.H., Sheikholeslami, M.	Influence of Internal Fins and Nanoparticles on Heat Transfer Enhancement Through a Parabolic Trough Solar Collector	Parabolic Trough Solar Collector (PTSC), MCRT model, Al ₂ O ₃ nanomaterial, Syltherm 800 base fluid, turbulent flow, finned tube	40, 2, 436-448	https://doi.org/10.18280/ijht.400211	Badr, M.K., Ali, F.H., Sheikholeslami, M. (2022). Influence of internal fins and nanoparticles on heat transfer enhancement through a parabolic trough solar collector. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 436-448. https://doi.org/10.18280/ijht.400211
394	Ismael, M.A., Yahya, S.G., Azzawi, I.D.J.	Experimental Investigation of Performance of Conventional Vapor Compression Refrigeration Cycle Using Geothermal Cooling in Extreme Hot Weather Conditions	conventional refrigeration, harsh climatic conditions, geothermal cooling	40, 2, 449-456	https://doi.org/10.18280/ijht.400212	Ismael, M.A., Yahya, S.G., Azzawi, I.D.J. (2022). Experimental investigation of performance of conventional vapor compression refrigeration cycle using geothermal cooling in extreme hot weather conditions. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 449-456. https://doi.org/10.18280/ijht.400212
395	Poddar, S., Islam, M.M., Ferdouse, J., Alam, M.M.	Steady-State Solution of MHD Heat and Mass Transfer Fluid Flow over a Semi-Infinite Vertical Plate in a Rotating System Dipped in a Porous Medium with Hall Current, Thermal Radiation, Heat Generation/Absorption and Joule Heating	MHD, porous medium, finite difference method (FDM), hall current	40, 2, 457-467	https://doi.org/10.18280/ijht.400213	Poddar, S., Islam, M.M., Ferdouse, J., Alam, M.M. (2022). Steady-state solution of MHD heat and mass transfer fluid flow over a semi-infinite vertical plate in a rotating system dipped in a porous medium with hall current, thermal radiation, heat generation/absorption and joule heating. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 457-467. https://doi.org/10.18280/ijht.400213
396	Luo, Z.B.	Heat Index Estimation of Ventilating Air-Conditioning Heating Area Considering Thermal Comfort	thermal comfort, ventilating air-conditioning (VAC), heating area, thermal index calculation	40, 2, 468-474	https://doi.org/10.18280/ijht.400214	Luo, Z.B. (2022). Heat index estimation of ventilating air-conditioning heating area considering thermal comfort. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 468-474. https://doi.org/10.18280/ijht.400214
397	Mahdy, A.S., Al-Arabi, T.H., Rashad, A.M., Saad, W.	MHD Mixed Convective Heat Transfer of Cu-Al ₂ O ₃ Water Hybrid Nanofluid over a Stretching Wedge with Ohmic Heating	mixed convection, MHD, hybrid nanofluid, ohmic heating	40, 2, 475-481	https://doi.org/10.18280/ijht.400215	Mahdy, A.S., Al-Arabi, T.H., Rashad, A.M., Saad, W. (2022). MHD mixed convective heat transfer of Cu-Al ₂ O ₃ water hybrid nanofluid over a stretching wedge with ohmic heating. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 475-481. https://doi.org/10.18280/ijht.400215
398	Niu, M.	Stress of ZrN-Coated Cutting Tools under High Temperature Friction	coated cutting tool, high temperature, principal stress, shear stress	40, 2, 482-488	https://doi.org/10.18280/ijht.400216	Niu, M. (2022). Stress of ZrN-coated cutting tools under high temperature friction. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 482-488. https://doi.org/10.18280/ijht.400216
399	Gudi, A., Hindsageri, V.	Heat Transfer from a Hybrid Pulsating and Swirling Air Jet Impingement	Nusselt number, hybrid method, jet impingement, Reynolds number	40, 2, 489-496	https://doi.org/10.18280/ijht.400217	Gudi, A., Hindsageri, V. (2022). Heat transfer from a hybrid pulsating and swirling air jet impingement. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 489-496. https://doi.org/10.18280/ijht.400217
400	Khalaf, A.F., Basem, A., Hussein, H.Q., Jasim, A.K., Hammoodi, K.A., Al-Tajer, A.M., Omer, I., Flayyih, M.A.	Improvement of Heat Transfer by Using Porous Media, Nanofluid, and Fins: A Review	nanofluid, porous media, fins, heat transfer	40, 2, 497-521	https://doi.org/10.18280/ijht.400218	Khalaf, A.F., Basem, A., Hussein, H.Q., Jasim, A.K., Hammoodi, K.A., Al-Tajer, A.M., Omer, I., Flayyih, M.A. (2022). Improvement of heat transfer by using porous media, nanofluid, and fins: A review. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 497-521. https://doi.org/10.18280/ijht.400218
401	Zhou, Y.Z., Liu, T.Y., Sang, G.Q., Lyu, H.Y., Lyu, X.Q., Li, B.H.	Experimental Analysis and Performance Investigation of Immiscible Super-Critical CO ₂ Flooding Processes in Tight Oil Reservoir	supercritical CO ₂ , pressure, enhanced oil recovery, displacement efficiency	40, 2, 522-526	https://doi.org/10.18280/ijht.400219	Zhou, Y.Z., Liu, T.Y., Sang, G.Q., Lyu, H.Y., Lyu, X.Q., Li, B.H. (2022). Experimental analysis and performance investigation of immiscible super-critical CO ₂ flooding processes in tight oil reservoir. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 522-526. https://doi.org/10.18280/ijht.400219
402	Oyewola, O.M., Akinwonmi, A.S., Ajide, O.O., Salau, T.O.A.	Effect of Swirl on Temperature Decay Function in Straight Blade Liquid Fuel Swirl Burner	combustion, flame, liquid fuel swirl burner, swirl blade, temperature	40, 2, 527-534	https://doi.org/10.18280/ijht.400220	Oyewola, O.M., Akinwonmi, A.S., Ajide, O.O., Salau, T.O.A. (2022). Effect of swirl on temperature decay function in straight blade liquid fuel swirl burner. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 527-534. https://doi.org/10.18280/ijht.400220
403	Prashanth, M., Madhu, D., Ramanarasimh, K., Suresh, R.	Effect of Heat Input and Filling Ratio on Raise in Temperature of the Oscillating Heat Pipe with Different Working Fluids Using ANN Model	Oscillating Heat Pipe (OHP), acetone, ethanol, methanol, filling ratio, heat input, Artificial Neural Network (ANN)	40, 2, 535-542	https://doi.org/10.18280/ijht.400221	Prashanth, M., Madhu, D., Ramanarasimh, K., Suresh, R. (2022). Effect of heat input and filling ratio on raise in temperature of the oscillating heat pipe with different working fluids using ANN model. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 535-542. https://doi.org/10.18280/ijht.400221
404	Lu, Y.F.	Heat Flow Field Analysis on Heat Dissipation Features of High-Wattage Power Cabinets	heat flow field analysis, high-wattage power cabinets, heat dissipation features	40, 2, 543-548	https://doi.org/10.18280/ijht.400222	Lu, Y.F. (2022). Heat flow field analysis on heat dissipation features of high-wattage power cabinets. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 543-548. https://doi.org/10.18280/ijht.400222
405	Bihiche, K., Lamsaadi, M.	Soret-Driven Convection of Non-Newtonian Binary Fluids in a Shallow Cavity Uniformly Heated from Below: Case of Opposing Flows	Soret-driven convection, buoyancy ratio, finite volume method, heat and mass transfers, non-Newtonian fluids	40, 2, 549-560	https://doi.org/10.18280/ijht.400223	Bihiche, K., Lamsaadi, M. (2022). Soret-driven convection of non-Newtonian binary fluids in a shallow cavity uniformly heated from below: Case of opposing flows. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 549-560. https://doi.org/10.18280/ijht.400223
406	Rudiyanto, B., Andrianto, M., Piluharto, B., Hijriawan, M.	Design-Based Response Surface Methodology in Optimizing the Dry Washing Purification Process of Biodiesel from Waste Cooking Oil	biodiesel, dry washing, optimization, yield, response surface methodology	40, 2, 561-568	https://doi.org/10.18280/ijht.400224	Rudiyanto, B., Andrianto, M., Piluharto, B., Hijriawan, M. (2022). Design-based response surface methodology in optimizing the dry washing purification process of biodiesel from waste cooking oil. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 561-568. https://doi.org/10.18280/ijht.400224
407	Jin, X.H., Gong, J.K., Lin, Z.H., Hua, S.H.	The Influence of Air Curtains on Fire Smoke in Tunnels	tunnel fire, air curtain, fire dynamics, smoke-proof, jet velocity, jet angle	40, 2, 569-576	https://doi.org/10.18280/ijht.400225	Jin, X.H., Gong, J.K., Lin, Z.H., Hua, S.H. (2022). The influence of air curtains on fire smoke in tunnels. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 569-576. https://doi.org/10.18280/ijht.400225
408	Faraj, J.J., Hussein, F.M., Hamad, A.J.	Identifying of Unsteady Performance of Oil to Water Heat Exchanger Integrated with Process	heat exchanger, state space, unsteady performance, grey box, identification	40, 2, 577-582	https://doi.org/10.18280/ijht.400226	Faraj, J.J., Hussein, F.M., Hamad, A.J. (2022). Identifying of unsteady performance of oil to water heat exchanger integrated with process. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 577-582. https://doi.org/10.18280/ijht.400226

409	Rashid, K.K.F., Hamakhan, I.I.A., Mohammed, C.C.H.	Tilt Angle Optimization and Investigation of the Behavior of a Flat Plate Solar Collector Using MATLAB for Kurdistan Climate Conditions-Iraq	heat transfer, tilt angle, performance analysis, active flat plate solar collector	40, 2, 583-591	https://doi.org/10.18280/ijht.400227	Rashid, K.K.F., Hamakhan, I.I.A., Mohammed, C.C.H. (2022). Tilt angle optimization and investigation of the behavior of a flat plate solar collector using MATLAB for Kurdistan climate conditions-Iraq. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 583-591. https://doi.org/10.18280/ijht.400227
410	Chen, J., Yang, J.R.	Regional Construction and Differences of Thermal Environment in Vernacular Buildings	vernacular buildings, regional construction of thermal environment, differences	40, 2, 592-598	https://doi.org/10.18280/ijht.400228	Chen, J., Yang, J.R. (2022). Regional construction and differences of thermal environment in vernacular buildings. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 592-598. https://doi.org/10.18280/ijht.400228
411	Sudarsono, Susastriawan, A.A.P., Purwanto, Y., Astamu, L.	An Effect of Zeolite Size on Performance of Dry Scrubber in Tar Removal of Biomass Derived Syngas	effectiveness, gasification, scrubber, tar, zeolite	40, 2, 599-603	https://doi.org/10.18280/ijht.400229	Sudarsono, Susastriawan, A.A.P., Purwanto, Y., Astamu, L. (2022). An effect of zeolite size on performance of dry scrubber in tar removal of biomass derived syngas. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 599-603. https://doi.org/10.18280/ijht.400229
412	Cheng, Y.	Thermal Fault Detection and Severity Analysis of Mechanical and Electrical Automation Equipment	mechanical and electrical automation equipment, thermal fault, severity, Multi-Sensor Information Fusion (MSIF), D-S evidential theory	40, 2, 604-610	https://doi.org/10.18280/ijht.400230	Cheng, Y. (2022). Thermal fault detection and severity analysis of mechanical and electrical automation equipment. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 604-610. https://doi.org/10.18280/ijht.400230
413	Al-Badri, D.H., Al-Hamadani, A.A.F., Al-Hassani, A.H.	Influence of Evaporator Superheating and Pressure on the Performance ORC with R134a	exergy efficiency, engineering equation solver EES, ORC, R134a, superheated, thermal efficiency	40, 2, 611-618	https://doi.org/10.18280/ijht.400231	Al-Badri, D.H., Al-Hamadani, A.A.F., Al-Hassani, A.H. (2022). Influence of evaporator superheating and pressure on the performance ORC with R134a. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 611-618. https://doi.org/10.18280/ijht.400231
414	Man, D.W., Xu, H.M., Xu, G.Z., Xu, D.H., Tang, L.P., Xu, Q.H.	Dynamic Characteristics Analysis of Tri-Stable Cantilever Piezoelectric Energy Harvester with a Novel-type Dynamic Amplifier	piezoelectric energy harvester, novel-type dynamic magnifier, harmonic balance method, dynamic features	40, 2, 619-626	https://doi.org/10.18280/ijht.400232	Man, D.W., Xu, H.M., Xu, G.Z., Xu, D.H., Tang, L.P., Xu, Q.H. (2022). Dynamic characteristics analysis of tri-stable cantilever piezoelectric energy harvester with a novel-type dynamic amplifier. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 619-626. https://doi.org/10.18280/ijht.400232
415	Hasan, W.K., Al-azzawi, M.M., Abdullah, A.R., Habeeb, L.J.	CFD Evaluation of Air Conditioning on the Distribution and Dispersion of COVID-19 Virus in a Room	ventilation, corona virus, air condition, CFD, simulation, indoor airflow, pollutant dispersion	40, 2, 627-633	https://doi.org/10.18280/ijht.400233	Hasan, W.K., Al-azzawi, M.M., Abdullah, A.R., Habeeb, L.J. (2022). CFD evaluation of air conditioning on the distribution and dispersion of COVID-19 virus in a room. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 627-633. https://doi.org/10.18280/ijht.400233
416	Ma, Y.F., Xu, L.S., Shi, X.M.	Thermomechanical Coupling Analysis of the Lining Structure of the Tunnel Entrance in Cold Regions Based on Peridynamics	lining structure, frost heave amount, energy field, crack expansion	40, 2, 634-640	https://doi.org/10.18280/ijht.400234	Ma, Y.F., Xu, L.S., Shi, X.M. (2022). Thermomechanical coupling analysis of the lining structure of the tunnel entrance in cold regions based on peridynamics. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 634-640. https://doi.org/10.18280/ijht.400234
417	Jassim, M.M., Abbood, M.H., Rashid, F.L.	Design and Construction Solar Oven Sterilizer	solar energy, solar autoclave, solar sterilization, solar oven	40, 2, 641-645	https://doi.org/10.18280/ijht.400235	Jassim, M.M., Abbood, M.H., Rashid, F.L. (2022). Design and construction solar oven sterilizer. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 641-645. https://doi.org/10.18280/ijht.400235
418	Szklarz, A., Bydalek, A.W., Migas, P., Pytel, A., Jaśkowiec, K., Bitka, A., Wójcicki, M., Pysz, S., Zuczek, R.	Analysis of Thermal Interactions in the Slag Pots for Transporting Copper Slags	smelting ladle, slag pots, copper slag, temperature, thermal stresses	40, 2, 646-652	https://doi.org/10.18280/ijht.400236	Szklarz, A., Bydalek, A.W., Migas, P., Pytel, A., Jaśkowiec, K., Bitka, A., Wójcicki, M., Pysz, S., Zuczek, R. (2022). Analysis of thermal interactions in the slag pots for transporting copper slags. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 646-652. https://doi.org/10.18280/ijht.400236
419	Zhang, B., Su, D.H.	Battery Thermal Management and Health State Assessment of New Energy Vehicles	new energy vehicles, battery thermal management, health state assessment	40, 2, 653-659	https://doi.org/10.18280/ijht.400237	Zhang, B., Su, D.H. (2022). Battery thermal management and health state assessment of new energy vehicles. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 2, pp. 653-659. https://doi.org/10.18280/ijht.400237
420	Giammichele, L., D'Alessandro, V., Falone, M., Ricci, R.	Experimental Study of a Direct Immersion Liquid Cooling of a Li-Ion Battery for Electric Vehicles Applications	dielectric fluid, direct contact liquid cooling, lithium-ion batteries, thermal management system	40, 1, 1-8	https://doi.org/10.18280/ijht.400101	Giammichele, L., D'Alessandro, V., Falone, M., Ricci, R. (2022). Experimental study of a direct immersion liquid cooling of a Li-ion battery for electric vehicles applications. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 1-8. https://doi.org/10.18280/ijht.400101
421	Hariyanto, H., Parenan, D., Sahupala, P., Latuheru, R.D., Andriyono, A., Yusman, N., Mustofa, Caesarendra, W., Glowacz, A.	The Analysis of Energy and Exergy Performance of Dye-Sensitized Solar Cell Using Red Fruit (Pandanus Conoideus) as an Absorbent Medium	DSSCs, natural dyes, anthocyanin, titanium dioxide, Arduino, efficiency	40, 1, 9-16	https://doi.org/10.18280/ijht.400102	Hariyanto, H., Parenan, D., Sahupala, P., Latuheru, R.D., Andriyono, A., Yusman, N., Mustofa, Caesarendra, W., Glowacz, A. (2022). The analysis of energy and exergy performance of dye-sensitized solar cell using red fruit (Pandanus conoideus) as an absorbent medium. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 9-16. https://doi.org/10.18280/ijht.400102
422	Dong, Y., Liao, R.Q., Luo, W., Li, M.X.	An Improved Pressure Drop Prediction Model Based on Okiszewski's Model for Low Gas-Liquid Ratio Two-Phase Upward Flow in Vertical Pipe	gas-liquid two-phase upward flow, vertical pipe, low gas-liquid ratio, pressure drop prediction, Okiszewski's model, liquid distribution coefficient	40, 1, 17-22	https://doi.org/10.18280/ijht.400103	Dong, Y., Liao, R.Q., Luo, W., Li, M.X. (2022). An improved pressure drop prediction model based on Okiszewski's model for low gas-liquid ratio two-phase upward flow in vertical pipe. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 17-22. https://doi.org/10.18280/ijht.400103
423	Mutani, G., Todeschi, V., Beltramo, S.	Improving Outdoor Thermal Comfort in Built Environment Assessing the Impact of Urban Form and Vegetation	greening, neighborhood scale, outdoor thermal comfort, thermal comfort indexes, urban morphology	40, 1, 23-31	https://doi.org/10.18280/ijht.400104	Mutani, G., Todeschi, V., Beltramo, S. (2022). Improving outdoor thermal comfort in built environment assessing the impact of urban form and vegetation. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 23-31. https://doi.org/10.18280/ijht.400104
424	Sánchez-Escalona, A.A., Camaraza-Medina, Y., Góngora-Leyva, E., Mediacca, Y.R.	New Approach to Obtain the Mean Heat Transfer Coefficients for Single-Phase Fluid Flow Inside Tubes by Simulating Evolution of Nusselt Equation (I)	analogies, boundary layer, convection, genetic algorithms, heat exchanger	40, 1, 32-44	https://doi.org/10.18280/ijht.400105	Sánchez-Escalona, A.A., Camaraza-Medina, Y., Góngora-Leyva, E., Mediacca, Y.R. (2022). New approach to obtain the mean heat transfer coefficients for single-phase fluid flow inside tubes by simulating evolution of Nusselt equation (I). <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 32-44. https://doi.org/10.18280/ijht.400105
425	Bekhadra, M., Chemloul, N.E.S., Menouer, A., Chaib, K.	Numerical Study of Laminar Bingham Fluid in Axisymmetric Sudden Expansion	laminar flow, viscoplastic fluid, sudden expansion, local loss coefficient	40, 1, 45-52	https://doi.org/10.18280/ijht.400106	Bekhadra, M., Chemloul, N.E.S., Menouer, A., Chaib, K. (2022). Numerical study of laminar Bingham fluid in axisymmetric sudden expansion. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 45-52. https://doi.org/10.18280/ijht.400106

426	Tark, Z., Hamed, A.J., Khalifa, A.H.N.	Performance Study of the Thermoelectric Personal Cooler under Different Ambient Temperatures	TEC, thermoelectric cooling, Peltier effect, fin, performance	40, 1, 53-62	https://doi.org/10.18280/ijht.400107	Tark, Z., Hamed, A.J., Khalifa, A.H.N. (2022). Performance study of the thermoelectric personal cooler under different ambient temperatures. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 53-62. https://doi.org/10.18280/ijht.400107
427	Su, P.H.	Thermal Environment Simulation and Safety Prewarning of Hot Mines Based on Big Data	big data, hot mines, thermal environment, numerical simulation, safety prewarning	40, 1, 63-70	https://doi.org/10.18280/ijht.400108	Su, P.H. (2022). Thermal environment simulation and safety prewarning of hot mines based on big data. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 63-70. https://doi.org/10.18280/ijht.400108
428	Al-Ammar, Z., Amori, K.E.	Numerical Investigation on Oil/Water Separation by Compact Nozzle- Axial Hydrocyclone	CFD, axial hydro cyclone, two phase, oil/water flow, turbulence model, DOWS	40, 1, 71-80	https://doi.org/10.18280/ijht.400109	Al-Ammar, Z., Amori, K.E. (2022). Numerical investigation on oil/water separation by compact nozzle- axial hydrocyclone. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 71-80. https://doi.org/10.18280/ijht.400109
429	Cirillo, L., Greco, A., Masselli, C., Qian, S.X.	A Preliminary Investigation on Designing of the Novel and First Italian elastoCaloric Device	elastoCaloric effect, refrigeration, experimental prototype, shape memory alloys, wire	40, 1, 81-90	https://doi.org/10.18280/ijht.400110	Cirillo, L., Greco, A., Masselli, C., Qian, S.X. (2022). A preliminary investigation on designing of the novel and first Italian elastoCaloric device. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 81-90. https://doi.org/10.18280/ijht.400110
430	Huang, C., Chen, J.	Thermal Stress Analysis and Structural Optimization of High-Rise Buildings under Stack Effect	stack effect, high-rise buildings, thermal stress analysis, structural optimization	40, 1, 91-97	https://doi.org/10.18280/ijht.400111	Huang, C., Chen, J. (2022). Thermal stress analysis and structural optimization of high-rise buildings under stack effect. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 91-97. https://doi.org/10.18280/ijht.400111
431	Al-Tahaineh, H., Okour, M.H., Al-Rashdan, M., Al Essa, F.M.S.	Performance of a Hybrid TEG/Single Stage Ammonia-Water Absorption Refrigeration Cycle with a Combined Effect of Rectifier and Condensate Precooler	absorption refrigeration, coefficient of performance (COP), thermoelectric generator (TEG), energy recovery, mass fraction	40, 1, 98-104	https://doi.org/10.18280/ijht.400112	Al-Tahaineh, H., Okour, M.H., Al-Rashdan, M., Al Essa, F.M.S. (2021). Performance of a hybrid teg/single stage ammonia-water absorption refrigeration cycle with a combined effect of rectifier and condensate precooler. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 98-104. https://doi.org/10.18280/ijht.400112
432	Hussain, T.	Optimization and Comparative Performance Analysis of Conventional Air Conditioning System and Desiccant Air Conditioning System with Complete Waste Heat Reclamation: Experimental Investigation	onventional air conditioning system, desiccant air conditioning system, humidity ratios, optimization and performance parameters	40, 1, 105-120	https://doi.org/10.18280/ijht.400113	Hussain, T. (2022). Optimization and comparative performance analysis of conventional air conditioning system and desiccant air conditioning system with complete waste heat reclamation: Experimental investigation. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 105-120. https://doi.org/10.18280/ijht.400113
433	Bernard, B.T., Chara-Dackou, V.S., Goron, D., Babikir, M.H., Njomo, D.	Empirical Relationships Between Global and Diffuse Radiation and Sunshine Duration in Chad: Polynomial Regression Approach	solar radiation, statistical analysis, sunshine duration, clearness index, Sahelian climate, polynomial regression model	40, 1, 121-129	https://doi.org/10.18280/ijht.400114	Bernard, B.T., Chara-Dackou, V.S., Goron, D., Babikir, M.H., Njomo, D. (2022). Empirical relationships between global and diffuse radiation and sunshine duration in Chad: Polynomial regression approach. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 121-129. https://doi.org/10.18280/ijht.400114
434	An, J.B., Wang, C.H.	Coupled Thermodynamic Analysis on the Fire Response and Improvement of Fire Resistance of Steel Buildings	steel buildings, fire response, coupled thermodynamic analysis, fire resistance	40, 1, 130-136	https://doi.org/10.18280/ijht.400115	An, J.B., Wang, C.H. (2022). Coupled thermodynamic analysis on the fire response and improvement of fire resistance of steel buildings. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 130-136. https://doi.org/10.18280/ijht.400115
435	Chitsazan, A., Klepp, G., Glasmacher, B.	Effect of Surface Motion on Heat Transfer and Pressure Force from Multiple Impinging Jets– A Numerical Study	multiple jet, heat transfer, pressure force, surface motion, angled jet, jet arrangement	40, 1, 137-144	https://doi.org/10.18280/ijht.400116	Chitsazan, A., Klepp, G., Glasmacher, B. (2022). Effect of surface motion on heat transfer and pressure force from multiple impinging jets– a numerical study. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 137-144. https://doi.org/10.18280/ijht.400116
436	Pedrazzi, S., Morini, E., Nasti, M., Pizzileo, S., Allesina, S.	Green Hydrogen Powered Forklifts in Industrial Transport: Case Study of an Italian Fruit and Vegetable Market	electrolyzers, fuel cells, hydrogen, solar energy, sustainability	40, 1, 145-150	https://doi.org/10.18280/ijht.400117	Pedrazzi, S., Morini, E., Nasti, M., Pizzileo, S., Allesina, S. (2022). Green hydrogen powered forklifts in industrial transport: Case study of an Italian fruit and vegetable market. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 145-150. https://doi.org/10.18280/ijht.400117
437	Zhi, Q.G., Guan, W.H., Guo, Y.J.	Pyrolysis Process of Microwave-Enhanced Recovery of Sucker Rod Carbon Fiber Composite	sucker rod, composite, microwave technique, carbon fiber recycling	40, 1, 151-156	https://doi.org/10.18280/ijht.400118	Zhi, Q.G., Guan, W.H., Guo, Y.J. (2022). Pyrolysis process of microwave-enhanced recovery of sucker rod carbon fiber composite. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 151-156. https://doi.org/10.18280/ijht.400118
438	Rostane, B., Abboudi, S.	Numerical Study of Laminar Fluid Flow Around Two Heated Wall-Mounted Perforated Cubes in Tandem Arrangement	convective heat transfer, laminar flow, obstacle with hole, surface-mounted cubes, tandem	40, 1, 157-166	https://doi.org/10.18280/ijht.400119	Rostane, B., Abboudi, S. (2022). Numerical study of laminar fluid flow around two heated wall-mounted perforated cubes in tandem arrangement. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 157-166. https://doi.org/10.18280/ijht.400119
439	Vocale, P., Malavasi, M., Cattani, L., Bozzoli, F., Rainieri, S.	Thermal Performance Analysis of Triple Heat Exchangers via the Application of an Innovative Simplified Methodology	parameter estimation, triple tube heat exchangers, simplified model	40, 1, 167-173	https://doi.org/10.18280/ijht.400120	Vocale, P., Malavasi, M., Cattani, L., Bozzoli, F., Rainieri, S. (2022). Thermal performance analysis of triple heat exchangers via the application of an innovative simplified methodology. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 167-173. https://doi.org/10.18280/ijht.400120
440	Idlimam, R., Chatir, K., Asbik, M., Bah, A., Moussaoui, H.	Thermokinetic Study by Solar Convective Drying of Argan Press-Cake	argan press-cake, convective drying kinetics, solar drying, characteristic drying law, activation energy	40, 1, 174-182	https://doi.org/10.18280/ijht.400121	Idlimam, R., Chatir, K., Asbik, M., Bah, A., Moussaoui, H. (2022). Thermokinetic study by solar convective drying of argan press-cake. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 174-182. https://doi.org/10.18280/ijht.400121
441	Jawad, S.A., Rashid, F.L., Ridha, Z.A.A.	Thermal Performance of Spiral Flat Plate Solar Water Collector	closed system, open system, solar water collector, spiral solar water collector, solar water collector simulation and solar energy	40, 1, 183-192	https://doi.org/10.18280/ijht.400122	Jawad, S.A., Rashid, F.L., Ridha, Z.A.A. (2022). Thermal performance of spiral flat plate solar water collector. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 183-192. https://doi.org/10.18280/ijht.400122
442	Bai, Y.H., Sun, J.S., Zhang, R.L.	Bonding Performance and Thermomechanical Coupling Analysis of Iron Ore Tailings Reinforced Concrete	reinforced concrete, bonding performance, thermal stress, thermal strain	40, 1, 193-200	https://doi.org/10.18280/ijht.400123	Bai, Y.H., Sun, J.S., Zhang, R.L. (2022). Bonding performance and thermomechanical coupling analysis of iron ore tailings reinforced concrete. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 193-200. https://doi.org/10.18280/ijht.400123

443	Al-Abboodi, N.K.F., Khalaf, K.A., Ridha, H., Al-Azawy, M.G.	Thermal and Flow Analysis of Different Shaped Pin Fins for Improved Heat Transfer Rate	fins configurations, fins profile geometric, CFD, Nu, Re, drag force	40, 1, 201-210	https://doi.org/10.18280/ijht.400124	Al-Abboodi, N.K.F., Khalaf, K.A., Ridha, H., Al-Azawy, M.G. (2022). Thermal and flow analysis of different shaped pin fins for improved heat transfer rate. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 201-210. https://doi.org/10.18280/ijht.400124
444	El-Behery, S.M., Badawy, G.H., Mahfouz, F.M.	Three-Dimensional Simulation of Decaying Turbulent Swirling Flow Using Different Turbulence Models	turbulence models, swirling flow, CFD, tangential injection	40, 1, 211-218	https://doi.org/10.18280/ijht.400125	El-Behery, S.M., Badawy, G.H., Mahfouz, F.M. (2022). Three-dimensional simulation of decaying turbulent swirling flow using different turbulence models. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 211-218. https://doi.org/10.18280/ijht.400125
445	Haddad, F., Hatti, M., Rahmoun, K., Ziouche, K.	Selective Surfaces for Photo-Thermal Conversion for Medium Solar Temperature Applications	photo-thermal conversion, solar paints, solar absorber, solar water heater, spectral selectivity, selective surfaces, thin layers	40, 1, 219-224	https://doi.org/10.18280/ijht.400126	Haddad, F., Hatti, M., Rahmoun, K., Ziouche, K. (2022). Selective surfaces for photo-thermal conversion for medium solar temperature applications. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 219-224. https://doi.org/10.18280/ijht.400126
446	Cheng, J.	Temperature Field and Thermal Deformation of Steel Structural Members in Construction Engineering	construction engineering, steel structure, temperature field, thermal deformation	40, 1, 225-231	https://doi.org/10.18280/ijht.400127	Cheng, J. (2022). Temperature field and thermal deformation of steel structural members in construction engineering. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 225-231. https://doi.org/10.18280/ijht.400127
447	Ghoben, Z.K., Hussein, A.K.	Natural Convection Inside a 3D Regular Shape Enclosures - A Brief Review	natural convection, three-dimensional, review, numerical, experimental, nanofluid, cavity, enclosure	40, 1, 232-246	https://doi.org/10.18280/ijht.400128	Ghoben, Z.K., Hussein, A.K. (2022). Natural convection inside a 3D regular shape enclosures - A brief review. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 232-246. https://doi.org/10.18280/ijht.400128
448	Bessanane, N., Si-Ameur, M., Rebay, M.	Numerical Study of the Temperature Effects on Heat Transfer Coefficient in Mini-Channel Pin-Fin Heat Sink	heat sink, pin-fin, heat transfer coefficient, reference temperature	40, 1, 247-257	https://doi.org/10.18280/ijht.400129	Bessanane, N., Si-Ameur, M., Rebay, M. (2022). Numerical study of the temperature effects on heat transfer coefficient in mini-channel pin-fin heat sink. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 247-257. https://doi.org/10.18280/ijht.400129
449	Pipatpaiboon, N., Paramethanuwat, T., Bhuwakietkumjohn, N., Rittidech, S., Sichamnan, S.	Applications of Heart Shaped Glass Spoon Loop Oscillating Heat Pipe (HSGS/LOHP) for Making Coffee Stirrer	heart shaped glass spoon, loop oscillating heat pipe, coffee, two phase flow, heat transfer	40, 1, 258-266	https://doi.org/10.18280/ijht.400130	Pipatpaiboon, N., Paramethanuwat, T., Bhuwakietkumjohn, N., Rittidech, S., Sichamnan, S. (2022). Applications of heart shaped glass spoon loop oscillating heat pipe (HSGS/LOHP) for making coffee stirrer. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 258-266. https://doi.org/10.18280/ijht.400130
450	Liu, Y., Ma, Z.P., Huang, Y.	Heat Transfer Analysis of Different Coolant in the Waist Tubes of a Radiator and Performance Prediction Based on Artificial Neural Network	numerical, nanofluid, waist tube, heat transfer, artificial neural network (ANN)	40, 1, 267-272	https://doi.org/10.18280/ijht.400131	Liu, Y., Ma, Z.P., Huang, Y. (2022). Heat transfer analysis of different coolant in the waist tubes of a radiator and performance prediction based on artificial neural network. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 267-272. https://doi.org/10.18280/ijht.400131
451	Canazas, J., Kamyshnikov, O.	Heat Transfer and Pressure Drop Performance of a Hydraulic Mining Shovel Radiator by Using Ethylene Glycol/Water-Based Al ₂ O ₃ Nanofluids	heat transfer, hydraulic mining shovel, nanofluids, pressure drop, radiator	40, 1, 273-281	https://doi.org/10.18280/ijht.400132	Canazas, J., Kamyshnikov, O. (2022). Heat transfer and pressure drop performance of a hydraulic mining shovel radiator by using ethylene glycol/water-based Al ₂ O ₃ nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 273-281. https://doi.org/10.18280/ijht.400132
452	Trung, K.N., Trong, Q.N.	The Cylinder Liner Temperature Distribution Evaluation of a Diesel Engine Operating with M10, E10, and B10 Fuels	heat transfer correlation, Hohenberg, cylinder liner distribution, M10, E10, B10	40, 1, 282-288	https://doi.org/10.18280/ijht.400133	Trung, K.N., Trong, Q.N. (2022). The cylinder liner temperature distribution evaluation of a diesel engine operating with M10, E10, and B10 fuels. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 282-288. https://doi.org/10.18280/ijht.400133
453	Zhu, Y.J., Li, X.F., Zhang, M., Zhang, Z.Y., Ren, Z.L.	Temperature Field of Demagnetization Fault in Permanent Magnet Synchronous Generator	permanent magnet synchronous generator (PMSG), demagnetization fault, three-dimensional (3D) temperature field, heat source, loss	40, 1, 289-296	https://doi.org/10.18280/ijht.400134	Zhu, Y.J., Li, X.F., Zhang, M., Zhang, Z.Y., Ren, Z.L. (2022). Temperature field of demagnetization fault in permanent magnet synchronous generator. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 289-296. https://doi.org/10.18280/ijht.400134
454	Pal, J.S., Sapali, S.N., Ramakrishna, A.T., Shikalgar, N.D., Shinde, A.	Exergy Criteria of Performance of Waste Heat Recovery Applied for Marine Auxiliary Boiler	exergy, irreversibility, numerical analysis, rational efficiency, steam atomization	40, 1, 297-303	https://doi.org/10.18280/ijht.400135	Pal, J.S., Sapali, S.N., Ramakrishna, A.T., Shikalgar, N.D., Shinde, A. (2022). Exergy criteria of performance of waste heat recovery applied for marine auxiliary boiler. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 297-303. https://doi.org/10.18280/ijht.400135
455	Sehli, A., Tamali, M., Belkadi, M., Merabti, A., Benabdelrahmane, F.	The Earth to Air Heat Exchanger for Reducing Energy Consumption in South Algeria	ground air heat exchanger, turbulent k-epsilon model, finite volume method, simple algorithm, soil temperature	40, 1, 304-310	https://doi.org/10.18280/ijht.400136	Sehli, A., Tamali, M., Belkadi, M., Merabti, A., Benabdelrahmane, F. (2022). The earth to air heat exchanger for reducing energy consumption in south Algeria. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 304-310. https://doi.org/10.18280/ijht.400136
456	Zhang, M.M.	Numerical Analysis and Optimization of Heat Dissipation of Mechanical Automation Equipment Based on Thermal Model	thermal model, mechanical automation equipment, heat dissipation, numerical simulation	40, 1, 311-318	https://doi.org/10.18280/ijht.400137	Zhang, M.M. (2022). Numerical analysis and optimization of heat dissipation of mechanical automation equipment based on thermal model. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 311-318. https://doi.org/10.18280/ijht.400137
457	Lawanya, T., Vidhya, M., Govindarajan, A., Priyadarshini, E.	Effect of Heat Source on MHD Flow Through Permeable Structure under Chemical Reaction and Oscillatory Suction	porous medium, heat transfer, mass transfer, Newtonian, Sherwood	40, 1, 319-325	https://doi.org/10.18280/ijht.400138	Lawanya, T., Vidhya, M., Govindarajan, A., Priyadarshini, E. (2022). Effect of heat source on MHD flow through permeable structure under chemical reaction and oscillatory suction. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 319-325. https://doi.org/10.18280/ijht.400138
458	Arifin, Z., Tribhuwana, B.A., Kristiawan, B., Tjahjana, D.D.D.P., Hadi, S., Rachmanto, R.A., Prasetyo, S.D., Hijriawan, M.	The Effect of Soybean Wax as a Phase Change Material on the Cooling Performance of Photovoltaic Solar Panel	cooling system, PCM, photovoltaic, temperature	40, 1, 326-332	https://doi.org/10.18280/ijht.400139	Arifin, Z., Tribhuwana, B.A., Kristiawan, B., Tjahjana, D.D.D.P., Hadi, S., Rachmanto, R.A., Prasetyo, S.D., Hijriawan, M. (2022). The effect of soybean wax as a phase change material on the cooling performance of photovoltaic solar panel. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 326-332. https://doi.org/10.18280/ijht.400139
459	Zhong, G.S., Wang, W.X.	Optimization of the Distribution of Green Buildings Based on Urban Heat Island Effect	urban heat island (UHI) effect, green building, distribution, optimization	40, 1, 333-338	https://doi.org/10.18280/ijht.400140	Zhong, G.S., Wang, W.X. (2022). Optimization of the distribution of green buildings based on urban heat island effect. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 333-338. https://doi.org/10.18280/ijht.400140

460	Kulkarni, K.G., Havaladar, S.N., Malapur, H.V.	Numerical Analysis of Central Solar Receivers with Various Geometries	CFD, heliostats, solar energy concentrator, leaf type solar receiver, vertical variable tube receiver	40, 1, 339-346	https://doi.org/10.18280/ijht.400141	Kulkarni, K.G., Havaladar, S.N., Malapur, H.V. (2022). Numerical analysis of central solar receivers with various geometries. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 339-346. https://doi.org/10.18280/ijht.400141
461	Niu, M.	The Wear Mechanism of Coated Cutting Tools During Machining Process under the Thermal Effect	coated cutting tools, thermal effect, wear mechanism, wear stage	40, 1, 347-352	https://doi.org/10.18280/ijht.400142	Niu, M. (2022). The wear mechanism of coated cutting tools during machining process under the thermal effect. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 347-352. https://doi.org/10.18280/ijht.400142
462	Salih, H.M., Ayaal, A.H.	Min Niu	methane-air combustion, CFD, combustion	40, 1, 353-358	https://doi.org/10.18280/ijht.400143	Salih, H.M., Ayaal, A.H. (2022). Enhancement of methane-air combustion with increasing oxygen ratio. <i>International Journal of Heat and Technology</i> , Vol. 40, No. 1, pp. 353-358. https://doi.org/10.18280/ijht.400143
463	Cirillo, L., Greco, A., Masselli, C.	A Numerical Analysis on a Single Bunch of Wires of Susstain-El: The First Italian Elastocaloric Device	elastocaloric cooling, active elastocaloric refrigeration system, SMA wires, 2-D Model	39, 6, 1689-1696	https://doi.org/10.18280/ijht.390601	Cirillo, L., Greco, A., Masselli, C. (2021). A numerical analysis on a single bunch of wires of Susstain-El: The first Italian elastocaloric device. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1689-1696. https://doi.org/10.18280/ijht.390601
464	Bilonoga, Y., Stybel, V., Maksysko, O., Drachuk, U.	Substantiation of a New Calculation and Selection Algorithm of Optimal Heat Exchangers with Nanofluid Heat Carriers Taking into Account Surface Forces	Bl and Blturb. numbers, heat exchangers, thermal conductivity turbulent, viscosity turbulent, surface tension coefficient, nanofluids	39, 6, 1697-1712	https://doi.org/10.18280/ijht.390602	Bilonoga, Y., Stybel, V., Maksysko, O., Drachuk, U. (2021). Substantiation of a new calculation and selection algorithm of optimal heat exchangers with nanofluid heat carriers taking into account surface forces. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1697-1712. https://doi.org/10.18280/ijht.390602
465	Cheng, Y.	Thermal Fault Diagnosis of Transmission System in Automatic Production Machinery and Equipment and Reliability Analysis	automatic production machinery and equipment, transmission system, transmission device, thermal fault diagnosis, reliability analysis	39, 6, 1713-1720	https://doi.org/10.18280/ijht.390603	Cheng, Y. (2021). Thermal fault diagnosis of transmission system in automatic production machinery and equipment and reliability analysis. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1713-1720. https://doi.org/10.18280/ijht.390603
466	Basher, H.O.	Analysis of the heat transfer enhancement in triangular microchannel with a trapezoidal corrugated surface and hybrid nanofluid	triangular microchannel, trapezoidal corrugated wall, hybrid nanofluid, laminar flow	39, 6, 1721-1732	https://doi.org/10.18280/ijht.390604	Basher, H.O. (2021). Analysis of the heat transfer enhancement in triangular microchannel with a trapezoidal corrugated surface and hybrid nanofluid. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1721-1732. https://doi.org/10.18280/ijht.390604
467	Srichat, A., Vengsungnle, P., Bootwong, A., Poojeera, S., Naphon, P.	Study on Thermal Efficiency of Salt Incubator with Waste Heat Recovery in the Rock Salt Boiling Process	salt incubator, waste heat recovery, salt boiling process, thermal efficiency, firewood stove	39, 6, 1733-1740	https://doi.org/10.18280/ijht.390605	Srichat, A., Vengsungnle, P., Bootwong, A., Poojeera, S., Naphon, P. (2021). Study on thermal efficiency of salt incubator with waste heat recovery in the rock salt boiling process. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1733-1740. https://doi.org/10.18280/ijht.390605
468	Arifin, Z., Kuncoro, I.W., Hijriawan, M.	Solar Simulator Development for 50 WP Solar Photovoltaic Experimental Design Using Halogen Lamp	solar simulator, irradiance, mapping, non uniformity	39, 6, 1741-1747	https://doi.org/10.18280/ijht.390606	Arifin, Z., Kuncoro, I.W., Hijriawan, M. (2021). Solar simulator development for 50 WP solar photovoltaic experimental design using halogen lamp. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1741-1747. https://doi.org/10.18280/ijht.390606
469	Sun, Y., Zhao, B.	Heating Systems for Small, Scattered and Remote Residential Areas in the Tibetan Plateau	multi-energy complementary smart energy, solar energy storage heat pump, operating energy consumption and costs	39, 6, 1748-1754	https://doi.org/10.18280/ijht.390607	Sun, Y., Zhao, B. (2021). Heating systems for small, scattered and remote residential areas in the Tibetan Plateau. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1748-1754. https://doi.org/10.18280/ijht.390607
470	Pasupuleti, R.K., Bedhapudi, M., Jonnala, S.R., Kandimalla, A.R.	Computational Analysis of Conventional and Helical Finned Shell and Tube Heat Exchanger Using ANSYS-CFD	fluid velocities, heat transfer rate, LMTD effectiveness, baffle cut, helical porous baffles, copper fins	39, 6, 1755-1762	https://doi.org/10.18280/ijht.390608	Pasupuleti, R.K., Bedhapudi, M., Jonnala, S.R., Kandimalla, A.R. (2021). Computational analysis of conventional and helical finned shell and tube heat exchanger using ANSYS-CFD. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1755-1762. https://doi.org/10.18280/ijht.390608
471	Ouabouch, O., Laasri, I.A., Kriraa, M., Lamsaadi, M.	Modelling and Comparison of the Thermohydraulic Performance with an Economical Evaluation for a Parabolic Trough Solar Collector Using Different Nanofluids	nanofluids, turbulent forced convection, solar parabolic trough collector, thermal-hydraulic performance, economic efficiency	39, 6, 1763-1769	https://doi.org/10.18280/ijht.390609	Ouabouch, O., Laasri, I.A., Kriraa, M., Lamsaadi, M. (2021). Modelling and comparison of the thermohydraulic performance with an economical evaluation for a parabolic trough solar collector using different nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1763-1769. https://doi.org/10.18280/ijht.390609
472	Shen, T.Q., Shen, X.W.	Appropriateness Evaluation of Energy Saving Techniques for External Envelope of Residential Buildings Based on Value Engineering Theory	appropriateness, value engineering, energy-saving insulation	39, 6, 1770-1780	https://doi.org/10.18280/ijht.390610	Shen, T.Q., Shen, X.W. (2021). Appropriateness evaluation of energy saving techniques for external envelope of residential buildings based on value engineering theory. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1770-1780. https://doi.org/10.18280/ijht.390610
473	Reddy, S.R.R., Reddy, P.B.A.	Entropy Generation Analysis on MHD Flow with a Binary Mixture of Ethylene Glycol and Water Based Silver-Graphene Hybrid Nanoparticles in Automotive Cooling Systems	entropy generation, hybrid nanoparticles, joule heating, MHD, silver-graphene nanoparticles, stagnation point	39, 6, 1781-1790	https://doi.org/10.18280/ijht.390611	Reddy, S.R.R., Reddy, P.B.A. (2021). Entropy generation analysis on MHD flow with a binary mixture of ethylene glycol and water based silver-graphene hybrid nanoparticles in automotive cooling systems. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1781-1790. https://doi.org/10.18280/ijht.390611
474	Mustafa, W., Fudholi, A., Sopian, K., Jaafar, J., Mustapha, M.	Effect of Silica Oxide SiO ₂ /Water Nanofluids Volume Concentration Ratio on Photovoltaic Thermal (PVT) Collector Efficiency	photovoltaic thermal, spiral heat collector, nanofluids, thermal efficiency, electrical efficiency	39, 6, 1791-1798	https://doi.org/10.18280/ijht.390612	Mustafa, W., Fudholi, A., Sopian, K., Jaafar, J., Mustapha, M. (2021). Effect of silica oxide SiO ₂ /water nanofluids volume concentration ratio on photovoltaic thermal (PVT) collector efficiency. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1791-1798. https://doi.org/10.18280/ijht.390612
475	Dong, Y.D., Zhao, Y.G.B., Wang, Y.Z., Li, S.C.	An Experiment on the Mechanical Properties of Metal Rubber Processed by Improved Processing Techniques and the Construction of Its Constitutive Relation	metal rubber (MR), improved processing techniques, constitutive model, mechanical property	39, 6, 1799-1804	https://doi.org/10.18280/ijht.390613	Dong, Y.D., Zhao, Y.G.B., Wang, Y.Z., Li, S.C. (2021). An experiment on the mechanical properties of metal rubber processed by improved processing techniques and the construction of its constitutive relation. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1799-1804. https://doi.org/10.18280/ijht.390613
476	Hai, T.D., Khoa, T.A., Le, M.V., Phong, M.T., Tuan, P.D.	Modeling for Simple Batch Distillation of Vanadium Oxychloride-Titanium Tetrachloride (VOCl ₃ -TiCl ₄) Mixture	distillation, modeling, titanium tetrachloride, vanadium oxychloride	39, 6, 1805-1811	https://doi.org/10.18280/ijht.390614	Hai, T.D., Khoa, T.A., Le, M.V., Phong, M.T., Tuan, P.D. (2021). Modeling for simple batch distillation of vanadium oxychloride-titanium tetrachloride (VOCl ₃ -TiCl ₄) mixture. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1805-1811. https://doi.org/10.18280/ijht.390614

477	Alaei, P., Ghasemi, B., Raisi, A., Torabi, A.	Experimental Investigation of Melting Process of Encapsulation Phase Change Material in Spiral Shell and Tube Heat Exchanger	phase change material, thermal energy storage, non-welded steel capsules, intermediate fluids, heat transfer, total heat transfer coefficients	39, 6, 1812-1818	https://doi.org/10.18280/ijht.390615	Alaei, P., Ghasemi, B., Raisi, A., Torabi, A. (2021). Experimental investigation of melting process of encapsulation phase change material in spiral shell and tube heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1812-1818. https://doi.org/10.18280/ijht.390615
478	Wen, M.	An Analysis of the Coupling Between Temperature and Thermal Stress of Disc Brakes Based on Finite Element	disc brake, temperature field, thermal stress, finite element analysis	39, 6, 1819-1827	https://doi.org/10.18280/ijht.390616	Wen, M. (2021). An analysis of the coupling between temperature and thermal stress of disc brakes based on finite element. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1819-1827. https://doi.org/10.18280/ijht.390616
479	Roger, S.A.W., Merlin, A.Z., Philippe, O.M., Ruben, M.	Experimental Study of Heat Transfer in a Reduced Model of Bioclimatic Air-Soil Exchanger	bioclimatic comfort, EAHE model, heat transfer, convective coefficient	39, 6, 1828-1834	https://doi.org/10.18280/ijht.390617	Roger, S.A.W., Merlin, A.Z., Philippe, O.M., Ruben, M. (2021). Experimental study of heat transfer in a reduced model of bioclimatic air-soil exchanger. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1828-1834. https://doi.org/10.18280/ijht.390617
480	Abed, A.H., Khelif, A.K., Jabal, M.H.	Experimental Investigation on Mist Flow and Heat Transfer in a Uniformly Heated Vertical Cylinder	mist flow, heat transfer enhancement, ultrasonic mist generator, mist deposition, water film, weber number	39, 6, 1835-1844	https://doi.org/10.18280/ijht.390618	Abed, A.H., Khelif, A.K., Jabal, M.H. (2021). Experimental investigation on mist flow and heat transfer in a uniformly heated vertical cylinder. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1835-1844. https://doi.org/10.18280/ijht.390618
481	Gao, H.N., Shen, H.D., Yu, L., Wang, Y.L., Yang, Y., Yan, S.C., Hu, Y.J.	Frictional Wear Detection of Hard Alloy Tool Material During High-Speed Cutting	high-speed cutting, hard alloy tool, frictional wear of tool material	39, 6, 1845-1852	https://doi.org/10.18280/ijht.390619	Gao, H.N., Shen, H.D., Yu, L., Wang, Y.L., Yang, Y., Yan, S.C., Hu, Y.J. (2021). Frictional wear detection of hard alloy tool material during high-speed cutting. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1845-1852. https://doi.org/10.18280/ijht.390619
482	Ige, E.O., Bodunde, O.P., Akinola, S.O., Dike, A.E., Anuoluwa, I.A., Ige, I.A., Esoso, A.	A Low Cost Intelligent Fuzzy-Controlled Multipass-Multibaffle Dry-Air Sterilizer Device for Small-Sized Surgical Instruments	fuzzy-enabled, multi-baffle convection, alternative energy device, decontamination, low resource application, re-useable surgical tools	39, 6, 1853-1860	https://doi.org/10.18280/ijht.390620	Ige, E.O., Bodunde, O.P., Akinola, S.O., Dike, A.E., Anuoluwa, I.A., Ige, I.A., Esoso, A. (2021). A low cost intelligent fuzzy-controlled multipass-multibaffle dry-air sterilizer device for small-sized surgical instruments. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1853-1860. https://doi.org/10.18280/ijht.390620
483	S N, S.K., S, S., H R, P.	Heat Transfer Analysis of Plate Fin Heat Sink with Dimples and Protrusions: Investigation of New Designs	heat sink, dimples, base temperature, thermal resistance	39, 6, 1861-1870	https://doi.org/10.18280/ijht.390621	S N, S.K., S, S., H R, P. (2021). Heat transfer analysis of plate fin heat sink with dimples and protrusions: Investigation of new designs. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1861-1870. https://doi.org/10.18280/ijht.390621
484	Qu, Z.H.	Thermodynamic Analysis and Calculation of the Drying and Heating System of Automatic Stirring Equipment	drying and heating system (DHS), automatic stirring equipment, thermodynamic analysis	39, 6, 1871-1877	https://doi.org/10.18280/ijht.390622	Qu, Z.H. (2021). Thermodynamic analysis and calculation of the drying and heating system of automatic stirring equipment. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1871-1877. https://doi.org/10.18280/ijht.390622
485	Sivalingam, S., Gopal, S.T., Pandey, V., Parthiban, M.	Experimental Analysis of Performance Improvement of a Modified Vapour Absorption System (VAS-GAX) for Cooling Applications	VAS-GAX system, cooling applications, COP improvement, saving electrical energy, less environmental harm and lower losses	39, 6, 1878-1886	https://doi.org/10.18280/ijht.390623	Sivalingam, S., Gopal, S.T., Pandey, V., Parthiban, M. (2021). Experimental analysis of performance improvement of a modified vapour absorption system (VAS-GAX) for cooling applications. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1878-1886. https://doi.org/10.18280/ijht.390623
486	Jauhri, S., Mishra, U.	Dual Solutions of EMHD Nanofluid at Stretching Sheet with Mixed Convection Slip Boundary Condition	EMHD, nano-fluid, similarity transformation, Runge Kutta method, dual solution	39, 6, 1887-1896	https://doi.org/10.18280/ijht.390624	Jauhri, S., Mishra, U. (2021). Dual solutions of EMHD nanofluid at stretching sheet with mixed convection slip boundary condition. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1887-1896. https://doi.org/10.18280/ijht.390624
487	Ding, G.W., Sun, X.Y., Xu, L.H.	Heat Flow Field Analysis on Cooling System of Electrical Control Switch Cabinet	heat flow field analysis, electrical control switch cabinet (ECSC), cooling system	39, 6, 1897-1903	https://doi.org/10.18280/ijht.390625	Ding, G.W., Sun, X.Y., Xu, L.H. (2021). Heat flow field analysis on cooling system of electrical control switch cabinet. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1897-1903. https://doi.org/10.18280/ijht.390625
488	Afolalu, S.A., Ikumapayi, O.M., Ogundipe, A.T., Yusuf, O.O., Oloyede, O.R.	Development of Nanolubricant Using Aloe Vera Plant to Enhance the Thermal Performance of a Domestic Refrigeration System	green chemistry, lubricating oil, nanoparticle, nanotechnology, refrigeration	39, 6, 1904-1908	https://doi.org/10.18280/ijht.390626	Afolalu, S.A., Ikumapayi, O.M., Ogundipe, A.T., Yusuf, O.O., Oloyede, O.R. (2021). Development of nanolubricant using aloe vera plant to enhance the thermal performance of a domestic refrigeration system. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1904-1908. https://doi.org/10.18280/ijht.390626
489	Wijayanto, D.S., Soenarto, Triyono, M.B., Prasetyo, W., Widiastuti, I.	Analysis of Longitudinal Finned Pipes in Cross-Flow Heat Exchanger	heat exchanger, cross-flow, finned pipes, effectiveness-NTU	39, 6, 1909-1916	https://doi.org/10.18280/ijht.390627	Wijayanto, D.S., Soenarto, Triyono, M.B., Prasetyo, W., Widiastuti, I. (2021). Analysis of longitudinal finned pipes in cross-flow heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1909-1916. https://doi.org/10.18280/ijht.390627
490	Abdulhussein, M.A., Hashem, A.L.	Experimental Study of the Thermal Behavior of Perforated Bricks Wall Integrated with PCM	phase change material, perforated bricks, energy reduction, walls insulation, thermal performance, PCM packaging	39, 6, 1917-1922	https://doi.org/10.18280/ijht.390628	Abdulhussein, M.A., Hashem, A.L. (2021). Experimental study of the thermal behavior of perforated bricks wall integrated with PCM. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1917-1922. https://doi.org/10.18280/ijht.390628
491	Song, Y.F., Liu, Z.G., Li, S.W., Jin, Q.Y.	Design and Optimization of an Immersion Liquid Cooling System in Internet Datacenter	internet datacenter (IDC), immersion liquid cooling, numerical simulation	39, 6, 1923-1929	https://doi.org/10.18280/ijht.390629	Song, Y.F., Liu, Z.G., Li, S.W., Jin, Q.Y. (2021). Design and optimization of an immersion liquid cooling system in internet datacenter. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1923-1929. https://doi.org/10.18280/ijht.390629
492	Sandhi, R.S., Chebattina, K.R.R., Sambana, N.R., Vadapalli, S., Pullagura, G., Pathem, U.C.	Evaluation of TiO ₂ Nanoparticles as an Additive in Diesel-n-Butanol - Bombax Ceiba Biodiesel Blends for Enhance Performance and Emissions Control of a CI Engine	bombax ceiba oil methyl ester, TiO ₂ nanoparticles, engine performance, emission control, stability of nano particles	39, 6, 1930-1936	https://doi.org/10.18280/ijht.390630	Sandhi, R.S., Chebattina, K.R.R., Sambana, N.R., Vadapalli, S., Pullagura, G., Pathem, U.C. (2021). Evaluation of TiO ₂ nanoparticles as an additive in diesel-n-butanol - bombax ceiba biodiesel blends for enhance performance and emissions control of a CI engine. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1930-1936. https://doi.org/10.18280/ijht.390630
493	Kumar, S., Srinivas, V.G., Murthy, K., Sudheer, M.S.	Simulation and Experimental Validation of Combustion Characteristics of Dual Fuel LPG-Diesel Engine	dual fuel, pressure rise, pilot fuel, crank angle, heat release rate	39, 6, 1937-1944	https://doi.org/10.18280/ijht.390631	Kumar, S., Srinivas, V.G., Murthy, K., Sudheer, M.S. (2021). Simulation and experimental validation of combustion characteristics of dual fuel LPG-diesel engine. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1937-1944. https://doi.org/10.18280/ijht.390631

494	Gao, X.L., Xia, R.J., Zhang, X.D., Shang, L.B., Xiangli, M.Q.	A Steady-State Modeling Method for Direct Expansion Air Conditioning Systems	Direct-Expansion Air-Conditioning (DX-AC) system, BP training algorithm, artificial neural network (ANN), steady-state model, bilinear interpolation	39, 6, 1945-1950	https://doi.org/10.18280/ijht.390632	Gao, X.L., Xia, R.J., Zhang, X.D., Shang, L.B., Xiangli, M.Q. (2021). A steady-state modeling method for direct expansion air conditioning systems. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1945-1950. https://doi.org/10.18280/ijht.390632
495	Ewe, W.E., Fudholi, A., Sopian, K., Asim, N., Ahmudiarto, Y., Salim, A.	Overview on Recent PVT Systems with Jet Impingement	photovoltaic, solar collector, jet impingement, heat transfer, cooling	39, 6, 1951-1956	https://doi.org/10.18280/ijht.390633	Ewe, W.E., Fudholi, A., Sopian, K., Asim, N., Ahmudiarto, Y., Salim, A. (2021). Overview on recent PVT systems with jet impingement. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1951-1956. https://doi.org/10.18280/ijht.390633
496	Jose, S.S., Chidambaram, R.K.	Thermal Comfort Optimization in an Electric Vehicle	thermal comfort, optimisation, electric vehicle, CFD simulation, PMV, PPD	39, 6, 1957-1965	https://doi.org/10.18280/ijht.390634	Jose, S.S., Chidambaram, R.K. (2021). Thermal comfort optimization in an electric vehicle. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1957-1965. https://doi.org/10.18280/ijht.390634
497	Duanmu, X.L., Zhan, Z.N., Song, Y.L.	Numerical Simulation and Thermophysical Feature Analysis of Fire Propagation Law in Large Urban Rail Transit Buildings	urban rail transit (URT), fire propagation law, thermophysical features	39, 6, 1966-1972	https://doi.org/10.18280/ijht.390635	Duanmu, X.L., Zhan, Z.N., Song, Y.L. (2021). Numerical simulation and thermophysical feature analysis of fire propagation law in large urban rail transit buildings. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1966-1972. https://doi.org/10.18280/ijht.390635
498	S, J., L, K.	Optimization of Combustion Characteristics of Diesel Engine Fueled by Biofuels and Its Diesel Blends with Additive Titanium Dioxide Nano-Particles	biofuel, jatropa methyl ester, CFD, mahua methyl ester, Kirloskar, combustion, emission characteristics, optimization	39, 6, 1973-1978	https://doi.org/10.18280/ijht.390636	S, J., L, K. (2021). Optimization of combustion characteristics of diesel engine fueled by biofuels and its diesel blends with additive titanium dioxide nano-particles. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1973-1978. https://doi.org/10.18280/ijht.390636
499	Enayati, H., Braun, M.J.	2D/3D RANS and LES Calculations of Natural Convection in a Laterally-Heated Cylindrical Enclosure Using Boussinesq and Temperature-Dependent Formulations	ammonothermal crystal growth, LES, RANS, three-dimensional, Boussinesq approximation, temperature dependent properties, FLUENT	39, 6, 1979-1990	https://doi.org/10.18280/ijht.390637	Enayati, H., Braun, M.J. (2021). 2D/3D RANS and LES calculations of natural convection in a laterally-heated cylindrical enclosure using Boussinesq and temperature-dependent formulations. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1979-1990. https://doi.org/10.18280/ijht.390637
500	Zhang, Y., Yang, J.F., Hu, W., Pei, Y., Xia, X., Wu, Q.J.	On a Low-Carbon Thermal Energy Power Planning Model Based on Green Certificate Allocation Mechanism	low carbon, power planning, carbon emission reduction, green certificate, thermal energy	39, 6, 1991-1999	https://doi.org/10.18280/ijht.390638	Zhang, Y., Yang, J.F., Hu, W., Pei, Y., Xia, X., Wu, Q.J. (2021). On a low-carbon thermal energy power planning model based on green certificate allocation mechanism. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 1991-1999. https://doi.org/10.18280/ijht.390638
501	Rudrabhiramu, R., Kupireddi, K.K., Rao, K.M.	Study of Thermal Characteristics Augmentation of the Aluminium Oxide Nano Fluid with Different Base Fluids	heat transfer augmentation, aluminium oxide nano fluid, ethylene glycol, square cavity, finite element model, CFD study, square element mesh grid, isothermal wall	39, 6, 2000-2005	https://doi.org/10.18280/ijht.390639	Rudrabhiramu, R., Kupireddi, K.K., Rao, K.M. (2021). Study of thermal characteristics augmentation of the aluminium oxide nano fluid with different base fluids. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 2000-2005. https://doi.org/10.18280/ijht.390639
502	Zhang, Z.Q., Yang, C.S., Cheng, H., Zhou, L.L., Ren, J.R., Zhu, Y.H.	The Electromagnetic Wave Absorbing Property of Dual-Layer Cement Matrix Composites Based on the Principle of Electromagnetic Energy - Thermal Energy Conversion	cement matrix electromagnetic wave (EMW) absorbing material, nanomaterial, wave absorbing agent, magnetic loss, dielectric loss	39, 6, 2006-2012	https://doi.org/10.18280/ijht.390640	Zhang, Z.Q., Yang, C.S., Cheng, H., Zhou, L.L., Ren, J.R., Zhu, Y.H. (2021). The electromagnetic wave absorbing property of dual-layer cement matrix composites based on the principle of electromagnetic energy - thermal energy conversion. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 6, pp. 2006-2012. https://doi.org/10.18280/ijht.390640
503	Mutani, G., De Nicolò, E., Blaso, L., Fumagalli, S., Tundo, A.	The Role of the Internal Heat Gains for Artificial Lighting on the Energy Performance of Buildings	LENI, artificial lighting, energy performance indicator, energy certification, heat gains, light control systems, nZEB, smart buildings	39, 5, 1395-1404	https://doi.org/10.18280/ijht.390501	Mutani, G., De Nicolò, E., Blaso, L., Fumagalli, S., Tundo, A. (2021). The role of the internal heat gains for artificial lighting on the energy performance of buildings. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1395-1404. https://doi.org/10.18280/ijht.390501
504	Daghab, H., Kaddir, M., Raghay, S., Arroub, I., Lamsaadi, M., Rayhane, H.	Finite Volume Simulation of Natural Convection for Power-Law Fluids with Temperature-Dependent Viscosity in a Square Cavity with a Localized Heat Source	finite volume, natural convection, non-Newtonian fluids, numerical study, square cavity, thermo-dependent viscosity	39, 5, 1405-1416	https://doi.org/10.18280/ijht.390502	Daghab, H., Kaddir, M., Raghay, S., Arroub, I., Lamsaadi, M., Rayhane, H. (2021). Finite volume simulation of natural convection for power-law fluids with temperature-dependent viscosity in a square cavity with a localized heat source. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1405-1416. https://doi.org/10.18280/ijht.390502
505	Bakhti, F.Z., Si-Ameur, M.	Elliptical Pin Fin Heat Sink: Passive Cooling Control	mixed convection, heat sink, elliptical pin fins, cooling device, CFD	39, 5, 1417-1429	https://doi.org/10.18280/ijht.390503	Bakhti, F.Z., Si-Ameur, M. (2021). Elliptical pin fin heat sink: Passive cooling control. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1417-1429. https://doi.org/10.18280/ijht.390503
506	Kulchitsky-Zhyhailo, R., Matsytsiak, S.J., Perkowski, D.M.	On Some Thermoelastic Problem of a Nonhomogeneous Long Pipe	temperature, displacement, thermal stress, composite material, functionally graded material, nonhomogeneous pipe	39, 5, 1430-1442	https://doi.org/10.18280/ijht.390504	Kulchitsky-Zhyhailo, R., Matsytsiak, S.J., Perkowski, D.M. (2021). On some thermoelastic problem of a nonhomogeneous long pipe. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1430-1442. https://doi.org/10.18280/ijht.390504
507	Camaraza-Medina, Y.	Methods for the Determination of the Heat Transfer Coefficient in Air Cooled Condenser Used at Biomass Power Plants	flow condensation, heat transfer coefficient, mathematical deduction	39, 5, 1443-1450	https://doi.org/10.18280/ijht.390505	Camaraza-Medina, Y. (2021). Methods for the determination of the heat transfer coefficient in air cooled condenser used at biomass power plants. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1443-1450. https://doi.org/10.18280/ijht.390505
508	Canazas, J.	Field Study on the Air-Side Heat Transfer Performance of Copper Finned-Flat Tubes for Heavy-Duty Truck Radiators	air-side, finned-flat tube, heat transfer, heavy-duty truck, radiator	39, 5, 1451-1459	https://doi.org/10.18280/ijht.390506	Canazas, J. (2021). Field study on the air-side heat transfer performance of copper finned-flat tubes for heavy-duty truck radiators. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1451-1459. https://doi.org/10.18280/ijht.390506
509	Sultan, K.F., Jabal, M.H., Jaddoa, A.A.	Performance Assessment of the Heat Exchanger with and without a Coating of Hybrid Nanoparticles the User Cooling System in Solar Heating Systems	hybrid nano-coating, heat exchangers, lotus effect, solar systems	39, 5, 1460-1468	https://doi.org/10.18280/ijht.390507	Sultan, K.F., Jabal, M.H., Jaddoa, A.A. (2021). Performance assessment of the heat exchanger with and without a coating of hybrid nanoparticles the user cooling system in solar heating systems. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1460-1468. https://doi.org/10.18280/ijht.390507
510	Bejawada, S.G., Reddy, Y.D., Kumar, K.S., Kumar, E.R.	Numerical Solution of Natural Convection on a Vertical Stretching Surface with Suction and Blowing	stretching sheet, heat transfer, natural convection, steady flow, friction factor	39, 5, 1469-1474	https://doi.org/10.18280/ijht.390508	Bejawada, S.G., Reddy, Y.D., Kumar, K.S., Kumar, E.R. (2021). Numerical solution of natural convection on a vertical stretching surface with suction and blowing. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1469-1474. https://doi.org/10.18280/ijht.390508

511	Ramli, M.S.A., Misha, S., Haminudin, N.F., Rosli, M.A.M., Yusof, A.A., Md Basar, M.F., Sopian, K., Ibrahim, A., Abdullah, A.F.	Review of Desiccant in the Drying and Air-Conditioning Application	desiccant, drying, air-conditioning, solid desiccant material, liquid desiccant material, regeneration of desiccant	39, 5, 1475-1482	https://doi.org/10.18280/ijht.390509	Ramli, M.S.A., Misha, S., Haminudin, N.F., Rosli, M.A.M., Yusof, A.A., Md Basar, M.F., Sopian, K., Ibrahim, A., Abdullah, A.F. (2021). Review of desiccant in the drying and air-conditioning application. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1475-1482. https://doi.org/10.18280/ijht.390509
512	Setyawan, A., Susilawati, S., Sutandi, T., Najmudin, H.	Performance of Air Conditioning Unit under Constant Outdoor Wet-Bulb Temperature and Varied Dry-Bulb Temperature	air conditioning, cooling capacity, energy efficiency ratio, outdoor air temperature	39, 5, 1483-1490	https://doi.org/10.18280/ijht.390510	Setyawan, A., Susilawati, S., Sutandi, T., Najmudin, H. (2021). Performance of air conditioning unit under constant outdoor wet-bulb temperature and varied dry-bulb temperature. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1483-1490. https://doi.org/10.18280/ijht.390510
513	Zhang, Y., Wu, Q.J., Hu, W.	A Multi-Microgrid Thermal Game Model Based on Quantum Blockchain	quantum block chain, multiple microgrids, noncooperative game, electricity transaction, thermal energy	39, 5, 1491-1500	https://doi.org/10.18280/ijht.390511	Zhang, Y., Wu, Q.J., Hu, W. (2021). A multi-microgrid thermal game model based on quantum blockchain. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1491-1500. https://doi.org/10.18280/ijht.390511
514	Ouksel, T., Chelghoum, A., Mameri, A.	Numerical Investigation of the Effect of Equivalence Ratio on Start of Combustion and Emissions in Homogeneous Charge Compression Ignition Engine Fuelled with Natural Gas	combustion, CO, CHEMKIN-PRO software, emissions, HCCI, NO, OD multi-zones model	39, 5, 1501-1508	https://doi.org/10.18280/ijht.390512	Ouksel, T., Chelghoum, A., Mameri, A. (2021). Numerical investigation of the effect of equivalence ratio on start of combustion and emissions in homogeneous charge compression ignition engine fuelled with natural gas. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1501-1508. https://doi.org/10.18280/ijht.390512
515	Ayuttaya, S.S.N., Rattanadecho, P.	Implementation of Blood Flow Transport under Electrokinetic Flow Through Porous Fat Depot Within the Vertical Flow Model	blood flow transport, porous fat depot, electrokinetic flow, vertical flow model	39, 5, 1509-1522	https://doi.org/10.18280/ijht.390513	Ayuttaya, S.S.N., Rattanadecho, P. (2021). Implementation of blood flow transport under electrokinetic flow through porous fat depot within the vertical flow model. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1509-1522. https://doi.org/10.18280/ijht.390513
516	Barquín, K., Valencia, A.	Comparison of Different Fin and Tube Compact Heat Exchanger with Longitudinal Vortex Generator in CFU-CFD Configurations	Fin and Tube Heat Exchanger, longitudinal vortex generator, delta winglet, thermo-hydraulic performance	39, 5, 1523-1531	https://doi.org/10.18280/ijht.390514	Barquín, K., Valencia, A. (2021). Comparison of different fin and tube compact heat exchanger with longitudinal vortex generator in CFU-CFD configurations. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1523-1531. https://doi.org/10.18280/ijht.390514
517	Mahmood, R.A., Saleh, K., Musa, V.A., Massoud, E., Sharifian-Barforoush, A., Abdulkareem, L.A.	Two-Phase Flow Development of R134a in a Horizontal Pipe: Computational Investigation	two-phase flow, R134a, computational fluid dynamic, expansion length, two-phase flow development, flow in a horizontal pipe	39, 5, 1532-1540	https://doi.org/10.18280/ijht.390515	Mahmood, R.A., Saleh, K., Musa, V.A., Massoud, E., Sharifian-Barforoush, A., Abdulkareem, L.A. (2021). Two-phase flow development of R134a in a horizontal pipe: Computational investigation. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1532-1540. https://doi.org/10.18280/ijht.390515
518	Tanujaya, H., Darmawan, S.	Investigation of Flow of the Disc-and-Doughnut Baffles and 40% Cut Segmental Baffles	heat exchanger, STHE, segmental baffles, disc-and-doughnut, effectiveness	39, 5, 1541-1548	https://doi.org/10.18280/ijht.390516	Tanujaya, H., Darmawan, S. (2021). Investigation of flow of the disc-and-doughnut baffles and 40% cut segmental baffles. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1541-1548. https://doi.org/10.18280/ijht.390516
519	Wang, R.Z., Ma, R.T., Hong, G., Tian, W., Qian, Y.M.	An Extensive Design Approach Integrating Offshore Residential Buildings and Solar Collectors	integration, offshore residential building, solar energy, solar collector, extensive design approach	39, 5, 1549-1556	https://doi.org/10.18280/ijht.390517	Wang, R.Z., Ma, R.T., Hong, G., Tian, W., Qian, Y.M. (2021). An extensive design approach integrating offshore residential buildings and solar collectors. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1549-1556. https://doi.org/10.18280/ijht.390517
520	Reddy, C.S., Prabhakar, B.	Impact of Activation Energy in Darcy-Forchheimer Flow of Cross Nanofluid over a Radial Stretching Surface with Viscous Dissipation and Joule Heating	Darcy-Forchheimer flow, cross fluid, joule heating, viscous dissipation, radially stretching surface	39, 5, 1557-1566	https://doi.org/10.18280/ijht.390518	Reddy, C.S., Prabhakar, B. (2021). Impact of activation energy in Darcy-Forchheimer flow of cross nanofluid over a radial stretching surface with viscous dissipation and joule heating. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1557-1566. https://doi.org/10.18280/ijht.390518
521	Shaik, M.H., Kolla, S., Vadlamudi, T.C., Katuru, B.P., Kommineni, R.	Thermodynamic Analysis of Eco-Friendly Refrigerant Mixtures as an Alternative to HFC-134a in Household Refrigerator	eco-friendly refrigerants-AC5, R440A and R430A, household refrigerator, liquid suction heat exchanger	39, 5, 1567-1574	https://doi.org/10.18280/ijht.390519	Shaik, M.H., Kolla, S., Vadlamudi, T.C., Katuru, B.P., Kommineni, R. (2021). Thermodynamic analysis of eco-friendly refrigerant mixtures as an alternative to HFC-134a in household refrigerator. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1567-1574. https://doi.org/10.18280/ijht.390519
522	Belalem, M.S., Elmir, M., Tamali, M., Mehdaoui, R., Missoum, A., Chergui, T., Bezari, S.	Numerical and Experimental Study of Natural Convection in a Tunnel Greenhouse Located in South West Algeria (Adrar Region)	greenhouse, plant, tomato, sensor, porous medium, natural convection, numerical simulation, finite elements method	39, 5, 1575-1582	https://doi.org/10.18280/ijht.390520	Belalem, M.S., Elmir, M., Tamali, M., Mehdaoui, R., Missoum, A., Chergui, T., Bezari, S. (2021). Numerical and experimental study of natural convection in a tunnel greenhouse located in South West Algeria (Adrar region). International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1575-1582. https://doi.org/10.18280/ijht.390520
523	Abdul Razzaq, A.K., Mushatet, K.S.	A Numerical Study for a Double Twisted Tube Heat Exchanger	twisted tubes, double tube heat exchanger, CFD, twist ratio, counter flow	39, 5, 1583-1589	https://doi.org/10.18280/ijht.390521	Abdul Razzaq, A.K., Mushatet, K.S. (2021). A numerical study for a double twisted tube heat exchanger. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1583-1589. https://doi.org/10.18280/ijht.390521
524	Nuruzzaman, M., Pao, W., Ejaz, F., Ya, H.	A Preliminary Numerical Investigation of Thermal Mixing Efficiency in T-Junctions with Different Flow Configurations	T-junction, thermal mixing, mixing efficiency, turbulence model, temperature fluctuation	39, 5, 1590-1600	https://doi.org/10.18280/ijht.390522	Nuruzzaman, M., Pao, W., Ejaz, F., Ya, H. (2021). A preliminary numerical investigation of thermal mixing efficiency in T-junctions with different flow configurations. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1590-1600. https://doi.org/10.18280/ijht.390522
525	Cui, H.J., Wu, S.H., Guan, Y.	Analysis of Trailing Vortex Structure and Turbulent Features of High-Speed Train in Vacuum Pipeline	vacuum pipeline, high-speed train, wake flow, vortex structure, turbulent performance	39, 5, 1601-1608	https://doi.org/10.18280/ijht.390523	Cui, H.J., Wu, S.H., Guan, Y. (2021). Analysis of trailing vortex structure and turbulent features of high-speed train in vacuum pipeline. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1601-1608. https://doi.org/10.18280/ijht.390523
526	Djafar, Z., Salsabila, A.Z., Piarah, W.H.	Performance Comparison Between Hot Mirror and Cold Mirror as a Beam Splitter on Photovoltaic - Thermoelectric Generator Hybrid Using LabVIEW Simulator	cold mirror, hot mirror, light spectrum, output power, photovoltaic, thermoelectric generator	39, 5, 1609-1617	https://doi.org/10.18280/ijht.390524	Djafar, Z., Salsabila, A.Z., Piarah, W.H. (2021). Performance comparison between hot mirror and cold mirror as a beam splitter on photovoltaic - Thermoelectric generator hybrid using LabVIEW simulator. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1609-1617. https://doi.org/10.18280/ijht.390524
527	Sirikasemsuk, S., Wiriyasart, S., Prurapark, R., Naphon, N., Naphon, P.	Water/Nanofluid Pulsating Flow in Thermoelectric Module for Cooling Electric Vehicle Battery Systems	electric vehicle battery, thermoelectric cooling module, pulsating flow, nanofluid	39, 5, 1618-1626	https://doi.org/10.18280/ijht.390525	Sirikasemsuk, S., Wiriyasart, S., Prurapark, R., Naphon, N., Naphon, P. (2021). Water/nanofluid pulsating flow in thermoelectric module for cooling electric vehicle battery systems. International Journal of Heat and Technology, Vol. 39, No. 5, pp. 1618-1626. https://doi.org/10.18280/ijht.390525

528	Fadhel, H., Abed, Q.A., Hachim, D.M.	An Experimental Work on the Performance of Single Solar Still with Parabolic Trough Collector in Hot Climate Conditions	solar distillation, productivity, parabolic trough collector, single slope solar still	39, 5, 1627-1633	https://doi.org/10.18280/ijht.390526	Fadhel, H., Abed, Q.A., Hachim, D.M. (2021). An experimental work on the performance of single solar still with parabolic trough collector in hot climate conditions. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1627-1633. https://doi.org/10.18280/ijht.390526
529	Fazuruddin, S., Sreekanth, S., Raju, G.S.S.	Effect of Various Tilted Positions of a Thin Fin on Natural Convection of Laminar Viscous Flow in a Square Cavity	convection, square cavity, thin fin, laminar two-dimensional flow, buoyancy force	39, 5, 1634-1642	https://doi.org/10.18280/ijht.390527	Fazuruddin, S., Sreekanth, S., Raju, G.S.S. (2021). Effect of various tilted positions of a thin fin on natural convection of laminar viscous flow in a square cavity. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1634-1642. https://doi.org/10.18280/ijht.390527
530	Youcef, S.Y., Abdelkader, B.	Experimental Correlations Nu vs Gr.Pr at Varying Widths for Convective Heat Flow Through a Large Aperture in a Full Scale Enclosed Space	calorimetric chamber, convection through opening, door aspect ratio	39, 5, 1643-1648	https://doi.org/10.18280/ijht.390528	Youcef, S.Y., Abdelkader, B. (2021). Experimental correlations Nu vs Gr.Pr at varying widths for convective heat flow through a large aperture in a full scale enclosed space. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1643-1648. https://doi.org/10.18280/ijht.390528
531	Chand, S., Chand, P.	Effects of Louvered Parameters on Exergetic Performance of Louvered Finned Solar Air Heater	solar air heater, exergy efficiency, thermal efficiency, louvered fin, louvered fin parameters	39, 5, 1649-1658	https://doi.org/10.18280/ijht.390529	Chand, S., Chand, P. (2021). Effects of louvered parameters on exergetic performance of louvered finned solar air heater. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1649-1658. https://doi.org/10.18280/ijht.390529
532	Yousfi, S.M., Aliane, K.	Turbulent Flow Around Obstacles: Simulation and Study with Variable Roughness	turbulent flow, variable roughness, obstacle, finite volume, ANSYS-CFX	39, 5, 1659-1666	https://doi.org/10.18280/ijht.390530	Yousfi, S.M., Aliane, K. (2021). Turbulent flow around obstacles: Simulation and study with variable roughness. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1659-1666. https://doi.org/10.18280/ijht.390530
533	Padmaraman, S., Mathivanan, N.R., Ponangi, B.R.	Heat Dissipation Characteristics of a FSAE Racecar Radiator	heat exchanger, FSAE race car, numerical modelling, radiator, Ricardo wave	39, 5, 1667-1672	https://doi.org/10.18280/ijht.390531	Padmaraman, S., Mathivanan, N.R., Ponangi, B.R. (2021). Heat dissipation characteristics of a FSAE racecar radiator. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1667-1672. https://doi.org/10.18280/ijht.390531
534	Deb, H.R.	Hydromagnetic Second-Order Fluid Flow in a Channel with Fluid-Particle Suspension and Viscous Dissipation	second-order fluid, fluid-particle suspension, shearing stress, visco-elasticity, heat transfer	39, 5, 1673-1679	https://doi.org/10.18280/ijht.390532	Deb, H.R. (2021). Hydromagnetic second-order fluid flow in a channel with fluid-particle suspension and viscous dissipation. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1673-1679. https://doi.org/10.18280/ijht.390532
535	Wang, X.T., Zhang, M.	The Thermal Economy of a Circulating Medium and Low Temperature Waste Heat Recovery System of Industrial Flue Gas	industrial waste heat recovery, circulating waste heat recovery, thermal economy	39, 5, 1680-1688	https://doi.org/10.18280/ijht.390533	Wang, X.T., Zhang, M. (2021). The thermal economy of a circulating medium and low temperature waste heat recovery system of industrial flue gas. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 5, pp. 1680-1688. https://doi.org/10.18280/ijht.390533
536	Bégot, S., Getic, M.Z., Diallo, A., Lanzetta, F., Barthès, M., de Labachellerie, M.	A Novel Model and Design of a MEMS Stirling Engine	adiabatic modelling, design guidelines, downsizing effects, engine, MEMS, Stirling	39, 4, 1037-1046	https://doi.org/10.18280/ijht.390401	Bégot, S., Getic, M.Z., Diallo, A., Lanzetta, F., Barthès, M., de Labachellerie, M. (2021). A novel model and design of a mems Stirling engine. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1037-1046. https://doi.org/10.18280/ijht.390401
537	Gaikwad, S.N., Surwase, D.M.	Convective Instability in Binary Nanofluids for Absorption Phenomenon with Cross Diffusions and Internal Heat Source	binary nanofluid, convection, cross diffusions, Dufour effect, heat generation, separation ratio, thermophoresis	39, 4, 1047-1056	https://doi.org/10.18280/ijht.390402	Gaikwad, S.N., Surwase, D.M. (2021). Convective instability in binary nanofluids for absorption phenomenon with cross diffusions and internal heat source. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1047-1056. https://doi.org/10.18280/ijht.390402
538	Issa, R.J.	Automobile Radiator Integrated with Al2O3 Nanofluid for Compact Size and Sustainability Enhancement	alumina, global warming potential, life cycle assessment, nanofluid, radiator heat exchanger	39, 4, 1057-1065	https://doi.org/10.18280/ijht.390403	Issa, R.J. (2021). Automobile radiator integrated with Al2O3 nanofluid for compact size and sustainability enhancement. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1057-1065. https://doi.org/10.18280/ijht.390403
539	Li, X.W., Zhao, F., Hou, J.L., Guo, W.	Features and Spread Mechanism of Thermal Runaway for Electric Car Batteries	electric cars, batteries, thermal runaway, thermal spread	39, 4, 1066-1074	https://doi.org/10.18280/ijht.390404	Li, X.W., Zhao, F., Hou, J.L., Guo, W. (2021). Features and spread mechanism of thermal runaway for electric car batteries. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1066-1074. https://doi.org/10.18280/ijht.390404
540	El Harfi, H., Kaddir, M., Lamsaadi, M., Tizakast, Y.	Effect of a Magnetic Field on Mixed Convection in a Rectangular Cavity Filled with Ferrofluid	ferrofluid, finite volume method, heat transfer, lid-driven enclosure, magnetic field, mixed convection, parallel flow	39, 4, 1075-1086	https://doi.org/10.18280/ijht.390405	El Harfi, H., Kaddir, M., Lamsaadi, M., Tizakast, Y. (2021). Effect of a magnetic field on mixed convection in a rectangular cavity filled with ferrofluid. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1075-1086. https://doi.org/10.18280/ijht.390405
541	Amraoui, M.A.	Three-Dimensional Numerical Simulation of a Flat Plate Solar Collector with Double Paths	solar collector with double paths, thermal transfer, k_e turbulent model, CFD	39, 4, 1087-1096	https://doi.org/10.18280/ijht.390406	Amraoui, M.A. (2021). Three-dimensional numerical simulation of a flat plate solar collector with double paths. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1087-1096. https://doi.org/10.18280/ijht.390406
542	Villagrán, E.	Thermal Simulation of a Greenhouse Proposed for Fruit and Vegetable Production in the Lowlands of Panama	air flow, thermal differential, CFD simulation, insect proof	39, 4, 1097-1106	https://doi.org/10.18280/ijht.390407	Villagrán, E. (2021). Thermal simulation of a greenhouse proposed for fruit and vegetable production in the lowlands of Panama. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1097-1106. https://doi.org/10.18280/ijht.390407
543	Shen, X.G.	Design and Implementation of an Integrated Central Heating Information Monitoring System for Smart Cities	central heating, information monitoring, big data reconstruction, heating regulation mode	39, 4, 1107-1116	https://doi.org/10.18280/ijht.390408	Shen, X.G. (2021). Design and implementation of an integrated central heating information monitoring system for smart cities. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1107-1116. https://doi.org/10.18280/ijht.390408
544	Ewe, W.E., Fudholi, A., Sopian, K., Asim, N.	Modeling of Bifacial Photovoltaic-Thermal (PVT) Air Heater with Jet Plate	bifacial photovoltaic-thermal (PVT), jet impingement, modeling, heat transfer, energy analysis, solar collector, efficiency	39, 4, 1117-1122	https://doi.org/10.18280/ijht.390409	Ewe, W.E., Fudholi, A., Sopian, K., Asim, N. (2021). Modeling of bifacial photovoltaic-thermal (PVT) air heater with jet plate. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1117-1122. https://doi.org/10.18280/ijht.390409

545	Islam, M.R., Nasrin, S.	Micropolar Fluid Flow Along with an Inclined Riga Plate Through a Porous Medium	micropolar fluid, Riga plate, heat transfer, mass transfer, inclined angle	39, 4, 1123-1133	https://doi.org/10.18280/ijht.390410	Islam, M.R., Nasrin, S. (2021). Micropolar fluid flow along with an inclined Riga plate through a porous medium. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1123-1133. https://doi.org/10.18280/ijht.390410
546	Murathathunyaluk, S., Kitchaiya, P.	Theoretical Study on a Novel Temperature Breakpoint Cyclic Operation to Enhance Desiccant Packed Bed Performance	operation improvement, cyclic operation, temperature swing adsorption, modelling, dehumidification	39, 4, 1134-1142	https://doi.org/10.18280/ijht.390411	Murathathunyaluk, S., Kitchaiya, P. (2021). Theoretical study on a novel temperature breakpoint cyclic operation to enhance desiccant packed bed performance. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1134-1142. https://doi.org/10.18280/ijht.390411
547	Shi, Y.X., Jiang, P., Wang, F.J., Zhou, S.X.	Experimental Study on Mixing Uniformity of Injection On-Line Mixer of Crop Protection Equipment	injection online mixer, numerical simulation, mixing uniformity, variation coefficient, image analysis	39, 4, 1143-1152	https://doi.org/10.18280/ijht.390412	Shi, Y.X., Jiang, P., Wang, F.J., Zhou, S.X. (2021). Experimental study on mixing uniformity of injection on-line mixer of crop protection equipment. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1143-1152. https://doi.org/10.18280/ijht.390412
548	Kensara, M., Dayem, A.M.A., Nasr, A.	Reverse Osmosis Desalination Plant Driven by Solar Photovoltaic System-Case Study	solar desalination, reverse osmosis, photovoltaic, PV sizing, numerical simulation, TRNSYS, annual performance, power plant	39, 4, 1153-1163	https://doi.org/10.18280/ijht.390413	Kensara, M., Dayem, A.M.A., Nasr, A. (2021). Reverse osmosis desalination plant driven by solar photovoltaic system-case study. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1153-1163. https://doi.org/10.18280/ijht.390413
549	Osintsev, K., Aliukov, S., Kuskarbekova, S.	Investigation of Operation of Coil-Flow Steam Generator of Serpentine Type in Conditions of Low Ambient Temperatures	boiler plant, coaxial cylinders, coils, convection, heat exchange	39, 4, 1164-1172	https://doi.org/10.18280/ijht.390414	Osintsev, K., Aliukov, S., Kuskarbekova, S. (2021). Investigation of operation of coil-flow steam generator of serpentine type in conditions of low ambient temperatures. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1164-1172. https://doi.org/10.18280/ijht.390414
550	Gao, X.L., Shang, L.B., Xia, R.J., Zhang, X.D., Yao, W.	Influence of Air Supply Height on Sleep Comfort Through Computational Fluid Dynamics Simulation	air supply height (ASH), sleep comfort, computational fluid dynamics (CFD), aeration efficiency (AE), technique for order of preference by similarity to ideal solution (TOPSIS)	39, 4, 1173-1179	https://doi.org/10.18280/ijht.390415	Gao, X.L., Shang, L.B., Xia, R.J., Zhang, X.D., Yao, W. (2021). Influence of air supply height on sleep comfort through computational fluid dynamics simulation. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1173-1179. https://doi.org/10.18280/ijht.390415
551	Chandrawat, R.K., Joshi, V.	Numerical Study of Ion-Slip and Hall Effect on Couette Flow of Two Immiscible Micropolar and Micropolar Dusty Fluid (Fluid-Particle Suspension) with Heat Transfer	micropolar fluid, immiscible fluid, unsteady flow, modified cubic b-spline, differential quadrature method	39, 4, 1180-1196	https://doi.org/10.18280/ijht.390416	Chandrawat, R.K., Joshi, V. (2021). Numerical study of ion-slip and hall effect on Couette flow of two immiscible micropolar and micropolar dusty fluid (fluid-particle suspension) with heat transfer. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1180-1196. https://doi.org/10.18280/ijht.390416
552	Azzawi, I.D.J., Yahya, S.G., Al-Rubaye, L.A.H., Ali, S.K.	Heat Transfer Enhancement of Different Channel Geometries Using Nanofluids and Porous Media	natural convection, aerofoil configuration, nanofluid, porous media	39, 4, 1197-1206	https://doi.org/10.18280/ijht.390417	Azzawi, I.D.J., Yahya, S.G., Al-Rubaye, L.A.H., Ali, S.K. (2021). Heat transfer enhancement of different channel geometries using nanofluids and porous media. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1197-1206. https://doi.org/10.18280/ijht.390417
553	Cai, N., Zhang, D.L.	An Experimental Study on Operating Characteristic of Radiant Floor Cooling Integrated with Underfloor Ventilation System	radiant floor cooling, underfloor ventilation, operating characteristic	39, 4, 1207-1212	https://doi.org/10.18280/ijht.390418	Cai, N., Zhang, D.L. (2021). An experimental study on operating characteristic of radiant floor cooling integrated with underfloor ventilation system. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1207-1212. https://doi.org/10.18280/ijht.390418
554	Mondal, R.N., Hasan, M.S., Islam, M.S., Islam, M.Z., Saha, S.C.	A Computational Study on Fluid Flow and Heat Transfer Through a Rotating Curved Duct with Rectangular Cross Section	rotating curved duct, steady solution, secondary flow, time-evolution, heat transfer, temperature gradient	39, 4, 1213-1224	https://doi.org/10.18280/ijht.390419	Mondal, R.N., Hasan, M.S., Islam, M.S., Islam, M.Z., Saha, S.C. (2021). A computational study on fluid flow and heat transfer through a rotating curved duct with rectangular cross section. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1213-1224. https://doi.org/10.18280/ijht.390419
555	Gupta, A.K., Kumar, M., Sahoo, R.K., Sarangi, S.K.	Analytical and Experimental Investigation of a Plate Fin Heat Exchanger at Cryogenics Temperature	plate fin heat exchanger, effectiveness, friction factor, cryogenics	39, 4, 1225-1235	https://doi.org/10.18280/ijht.390420	Gupta, A.K., Kumar, M., Sahoo, R.K., Sarangi, S.K. (2021). Analytical and experimental investigation of a plate fin heat exchanger at cryogenics temperature. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1225-1235. https://doi.org/10.18280/ijht.390420
556	Al-Dabbas, M.A.A.	The Capability to Make Ice from Sunlight Utilizing a New Absorption Unit of Nano-Coated Ammonia/Calcium Chloride	Ice producer, Ammonia/calcium chloride, absorption, nanofluid particle-materials, solar, domestic systems, and paint mixture	39, 4, 1236-1242	https://doi.org/10.18280/ijht.390421	Al-Dabbas, M.A.A. (2021). The capability to make ice from sunlight utilizing a new absorption unit of nano-coated ammonia/calcium chloride. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1236-1242. https://doi.org/10.18280/ijht.390421
557	Chitsazan, A., Klepp, G., Glasmacher, B.	Numerical Prediction of the Second Peak in the Nusselt Number Distribution from an Impinging Round Jet	jet impingement, heat transfer, secondary peak, turbulence modeling, CFD	39, 4, 1243-1242	https://doi.org/10.18280/ijht.390422	Chitsazan, A., Klepp, G., Glasmacher, B. (2021). Numerical prediction of the second peak in the Nusselt number distribution from an impinging round jet. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1243-1252. https://doi.org/10.18280/ijht.390422
558	Zhang, M., Wang, X.T.	Construction and Optimization of a Thermo-economic Cost Analysis Model for the Complex Energy Network	complex energy network, thermo-economic cost analysis, model optimization, exergy cost analysis	39, 4, 1253-1261	https://doi.org/10.18280/ijht.390423	Zhang, M., Wang, X.T. (2021). Construction and optimization of a thermo-economic cost analysis model for the complex energy network. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1253-1261. https://doi.org/10.18280/ijht.390423
559	Yazdi, M.H., Solomin, E., Fudholi, A., Divandari, G., Sopian, K., Chong, P.L.	Thermal Performance of Nanofluid Flow Inside Evacuated Tube Solar Collector	nanofluid flow, evacuated tube solar collector, velocity and temperature distribution, collector efficiency	39, 4, 1262-1270	https://doi.org/10.18280/ijht.390424	Yazdi, M.H., Solomin, E., Fudholi, A., Divandari, G., Sopian, K., Chong, P.L. (2021). Thermal performance of nanofluid flow inside evacuated tube solar collector. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1262-1270. https://doi.org/10.18280/ijht.390424
560	Alomari, M.A., Al-Farhany, A., Hashem, A.L., Al-Dawody, M.F., Redouane, F., Olayemi, O.A.	Numerical Study of MHD Natural Convection in Trapezoidal Enclosure Filled With (50%MgO-50%Ag/Water) Hybrid Nanofluid: Heated Sinusoidal from Below	hybrid nanofluid, MHD, non-uniform heat, trapezoidal cavity	39, 4, 1271-1279	https://doi.org/10.18280/ijht.390425	Alomari, M.A., Al-Farhany, A., Hashem, A.L., Al-Dawody, M.F., Redouane, F., Olayemi, O.A. (2021). Numerical study of MHD natural convection in trapezoidal enclosure filled with (50%MgO-50%Ag/water) hybrid nanofluid: heated sinusoidal from below. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1271-1279. https://doi.org/10.18280/ijht.390425
561	Adenane, G., Mohammed, B., Mea, G.	Effect of Operating Temperatures and Working Pairs on Performance of Solar Adsorption Cooling System	solar cooling, Adsorption refrigeration, Thermodynamic parameters, COP	39, 4, 1280-1286	https://doi.org/10.18280/ijht.390426	Adenane, G., Mohammed, B., Mea, G. (2021). Effect of operating temperatures and working pairs on performance of solar adsorption cooling system. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1280-1286. https://doi.org/10.18280/ijht.390426

562	Jin, Y.F., Yan, L., Liu, Y., Li, C.S.	The Spatiotemporal Changes of Oxygen Consumption Rate and Heat Release Intensity During Coal Spontaneous Combustion	coal spontaneous combustion, high temperature point, oxygen consumption rate, heat release intensity	39, 4, 1287-1293	https://doi.org/10.18280/ijht.390427	Jin, Y.F., Yan, L., Liu, Y., Li, C.S. (2021). The spatiotemporal changes of oxygen consumption rate and heat release intensity during coal spontaneous combustion. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1287-1293. https://doi.org/10.18280/ijht.390427
563	Siddiqui, P.	Density Modelling in Mixed Convection Flow in a Vertical Parallel Plate Channel	mixed convection, buoyancy, density, Boussinesq approximation, reverse flow, vertical channel	39, 4, 1294-1304	https://doi.org/10.18280/ijht.390428	Siddiqui, P. (2021). Density modelling in mixed convection flow in a vertical parallel plate channel. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1294-1304. https://doi.org/10.18280/ijht.390428
564	Sharfabadi, M.M., Mobadersani, P., Nourpour, L.	A Numerical Study on Heat Transfer in the Channel with Delta Winglet Pair Vortex Generators	vortex generator, winglet, aspect ratio, transverse pitch, longitudinal pitch, CFD	39, 4, 1305-1312	https://doi.org/10.18280/ijht.390429	Sharfabadi, M.M., Mobadersani, P., Nourpour, L. (2021). A numerical study on heat transfer in the channel with delta winglet pair vortex generators. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1305-1312. https://doi.org/10.18280/ijht.390429
565	Yassen, T.A., Al-Jethelah, M.S.M., Dheyab, H.S.	Experimental Study of Innovative Indirect Solar Dryers	indirect type solar dryer, novel drying chamber, natural convection, flat plate absorber, experimental study, thermal efficiency	39, 4, 1313-1320	https://doi.org/10.18280/ijht.390430	Yassen, T.A., Al-Jethelah, M.S.M., Dheyab, H.S. (2021). Experimental study of innovative indirect solar dryers. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1313-1320. https://doi.org/10.18280/ijht.390430
566	Sultan, K.F., Anead, H.S., Jaddoa, A.A.	Energetic and Exergetic Assessment of the Cooling Efficiency of Automobile Radiator Using Mono and Hybrid Nanofluids	energetic, exergetic, mono nanofluid hybrid nanofluid, cooling efficiency	39, 4, 1321-1327	https://doi.org/10.18280/ijht.390431	Sultan, K.F., Anead, H.S., Jaddoa, A.A. (2021). Energetic and exergetic assessment of the cooling efficiency of automobile radiator using mono and hybrid nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1321-1327. https://doi.org/10.18280/ijht.390431
567	Li, X.Y., Zheng, J.Y., Liu, J.P.	Numerical Simulation of Borehole Parameters for Coal Seam Gas Pre-Drainage	coal seam, gas, borehole parameters, numerical simulation	39, 4, 1328-1334	https://doi.org/10.18280/ijht.390432	Li, X.Y., Zheng, J.Y., Liu, J.P. (2021). Numerical simulation of borehole parameters for coal seam gas pre-drainage. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1328-1334. https://doi.org/10.18280/ijht.390432
568	Soni, P., Lolalis, S., Mazumdar, B., Bhowmick, S., Gaba, V.K.	Performance Analysis of an Adsorption Refrigeration System Working on Activated Carbon/Methanol Pair Using Finned Tube Type Adsorber Bed	activated carbon, adsorption refrigeration, finite difference method, methanol, adsorber bed	39, 4, 1335-1342	https://doi.org/10.18280/ijht.390433	Soni, P., Lolalis, S., Mazumdar, B., Bhowmick, S., Gaba, V.K. (2021). Performance analysis of an adsorption refrigeration system working on activated carbon/methanol pair using finned tube type adsorber bed. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1335-1342. https://doi.org/10.18280/ijht.390433
569	Nguyen, T.T.	Simultaneous Measurement of Two-Phase Flow Parameters for Drift-Flux Model	drift flux model, Ultrasonic Velocity Profiling - UVP, Wire Mesh Tomography - WMT, two-phase flow, simultaneous measurement, velocity distribution, void fraction distribution	39, 4, 1343-1350	https://doi.org/10.18280/ijht.390434	Nguyen, T.T. (2021). Simultaneous measurement of two-phase flow parameters for drift-flux model. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1343-1350. https://doi.org/10.18280/ijht.390434
570	Nguewo, L.R.C., Akong, M.B.O., Tchawoua, C., Noumo, P.G., Kwefeu, F.M., Djongyang, N.	Radiative Flux of a Spectral Distribution at the Surface of a TPV Thermal Emitter Resulting from the Combustion of Biomass: Case of Palms Nut Shells	thermo photovoltaic, combustion, biomass, heat transfer, numerical simulation	39, 4, 1351-1357	https://doi.org/10.18280/ijht.390435	Nguewo, L.R.C., Akong, M.B.O., Tchawoua, C., Noumo, P.G., Kwefeu, F.M., Djongyang, N. (2021). Radiative flux of a spectral distribution at the surface of a TPV thermal emitter resulting from the combustion of biomass: Case of palms nut shells. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1351-1357. https://doi.org/10.18280/ijht.390435
571	Liu, H.N., Wu, J.H., Zhang, Y.C., Wang, W., Chen, Y.N., Lang, Q.L., Gao, X.L., Song, J.S., Pei, X.J.	Rheological Properties of Xanthan Gum and Polyacrylamide Mixture in Inorganic Salt Solutions	xanthan, polyacrylamide, rheology	39, 4, 1358-1364	https://doi.org/10.18280/ijht.390436	Liu, H.N., Wu, J.H., Zhang, Y.C., Wang, W., Chen, Y.N., Lang, Q.L., Gao, X.L., Song, J.S., Pei, X.J. (2021). Rheological properties of xanthan gum and polyacrylamide mixture in inorganic salt solutions. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1358-1364. https://doi.org/10.18280/ijht.390436
572	Ahmed, I.S., Abd, H.S., Al Jubori, A.M.	Characterization of a Closed Loop Pulsating Heat Pipe Using Ethanol with Different Angles	measurement, orientations, pulsating heat pipe, thermal characteristics, two-phase flow	39, 4, 1365-1371	https://doi.org/10.18280/ijht.390437	Ahmed, I.S., Abd, H.S., Al Jubori, A.M. (2021). Characterization of a closed loop pulsating heat pipe using ethanol with different angles. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1365-1371. https://doi.org/10.18280/ijht.390437
573	Karnan, B., Kuppasamy, A.	Graph Theory and Matrix Approach for Machinability Enhancement of Cryogenic Treated Cobalt Bonded Tungsten Carbide Inserts	deep cryo treatment, hardened steel, machinability, surface roughness, taguchi's graph theory, tool wear rate	39, 4, 1372-1382	https://doi.org/10.18280/ijht.390438	Karnan, B., Kuppasamy, A. (2021). Graph theory and matrix approach for machinability enhancement of cryogenic treated cobalt bonded tungsten carbide inserts. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1372-1382. https://doi.org/10.18280/ijht.390438
574	Harsito, C., Permata, A.N.S.	Investigation of Air Distribution in Mosque Rooms with Different Angles of Supply and Inlet Velocity	HVAC, CFD simulation, air distribution, inlet velocity, inlet angles	39, 4, 1383-1388	https://doi.org/10.18280/ijht.390439	Harsito, C., Permata, A.N.S. (2021). Investigation of air distribution in mosque rooms with different angles of supply and inlet velocity. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1383-1388. https://doi.org/10.18280/ijht.390439
575	Chen, G.M., Yip, Y.H.	Leveque-Type Similarity Transformation for a Thermally Developing Viscous Dissipative Flow in a Parallel Plate Channel	Leveque-type similarity transformation, thermally developing, forced convection, viscous dissipation	39, 4, 1389-1394	https://doi.org/10.18280/ijht.390440	Chen, G.M., Yip, Y.H. (2021). Leveque-type similarity transformation for a thermally developing viscous dissipative flow in a parallel plate channel. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 4, pp. 1389-1394. https://doi.org/10.18280/ijht.390440
576	Tizakast, Y., Kaddir, M., Lamsaadi, M.	Thermosolutal Mixed Convection in Shallow Rectangular Cavity with Imposed Uniform Heat and Mass Fluxes and Filled with Newtonian Power-Law Fluid	finite volume method, heat and mass transfer, mixed convection, parallel flow, single lid driven cavity	39, 3, 669-680	https://doi.org/10.18280/ijht.390301	Tizakast, Y., Kaddir, M., Lamsaadi, M. (2021). Thermosolutal mixed convection in shallow rectangular cavity with imposed uniform heat and mass fluxes and filled with Newtonian power-law fluid. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 669-680. https://doi.org/10.18280/ijht.390301
577	Lipnicki, Z., Bydalek, A.W., Malolepszy, T.	Analytical Study of Solidification of Liquid Alloy in a Two-Stage Solidification Front	development of a simple analytical model, heat transfer, phase change, two-phase layer	39, 3, 681-687	https://doi.org/10.18280/ijht.390302	Lipnicki, Z., Bydalek, A.W., Malolepszy, T. (2021). Analytical study of solidification of liquid alloy in a two-stage solidification front. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 681-687. https://doi.org/10.18280/ijht.390302
578	Rao, P.P.	System Identification and Prediction in Radiative Heat Transfer Using Dynamic Mode Decomposition	system identification, dynamic mode decomposition with control, radiative heat transfer, model order reduction	39, 3, 688-700	https://doi.org/10.18280/ijht.390303	Rao, P.P. (2021). System identification and prediction in radiative heat transfer using dynamic mode decomposition. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 688-700. https://doi.org/10.18280/ijht.390303

579	Sun, X.Y., Chen, F.M., Pan, Z.A., Bai, L.	Research and Evaluation of Energy-Saving Reconstruction of Intelligent Community Heating System Based on the Internet of Things	internet of things (IoT), intelligent community heating (ICH), energy-saving reconstruction, energy-saving evaluation	39, 3, 701-710	https://doi.org/10.18280/ijht.390304	Sun, X.Y., Chen, F.M., Pan, Z.A., Bai, L. (2021). Research and evaluation of energy-saving reconstruction of intelligent community heating system based on the internet of things. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 701-710. https://doi.org/10.18280/ijht.390304
580	Bagai, S., Kumar, M., Patel, A.	Mixed Convection in a Two-Sided and Four-Sided Lid-Driven Square Porous Cavity	alternating-direction-implicit (ADI) method, finite difference method, mixed convection, two-sided and four-sided lid-driven flow, porous media	39, 3, 711-726	https://doi.org/10.18280/ijht.390305	Bagai, S., Kumar, M., Patel, A. (2021). Mixed convection in a two-sided and four-sided lid-driven square porous cavity. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 711-726. https://doi.org/10.18280/ijht.390305
581	Ayano, M.S.	Comparative Analysis MHD Bioconvective Flow of Micropolar Nanofluid in Porous Medium	gyrotactic microorganisms, hall current effect, radiation, nanofluid, porous medium, spectral method	39, 3, 727-736	https://doi.org/10.18280/ijht.390306	Ayano, M.S. (2021). Comparative analysis MHD bioconvective flow of micropolar nanofluid in porous medium. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 727-736. https://doi.org/10.18280/ijht.390306
582	Ata, A., Ozdemir, I.B.	Stability Characteristics of a Turbulent Nonpremixed Conical Bluff Body Flame	turbulent non-premixed flame, methane flame, conical bluff body, flame stability	39, 3, 737-745	https://doi.org/10.18280/ijht.390307	Ata, A., Ozdemir, I.B. (2021). Stability characteristics of a turbulent nonpremixed conical bluff body flame. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 737-745. https://doi.org/10.18280/ijht.390307
583	Liu, W.	Energy Consumption Analysis and Comprehensive Energy Efficiency Evaluation of Campus Central Heating System Based on Heat Supply Monitoring Platform	monitoring platform, campus central heating system, energy consumption analysis, energy efficiency evaluation	39, 3, 746-754	https://doi.org/10.18280/ijht.390308	Liu, W. (2021). Energy consumption analysis and comprehensive energy efficiency evaluation of campus central heating system based on heat supply monitoring platform. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 746-754. https://doi.org/10.18280/ijht.390308
584	Chitsazan, A., Klepp, G., Glasmacher, B., Pour, K.M.	Numerical Optimization of Drying Energy Consumption from Multiple Jets Impinging on a Moving Curved Surface	multiple jets, drying energy consumption, surface motion, surface curvature, CFD, optimization	39, 3, 755-762	https://doi.org/10.18280/ijht.390309	Chitsazan, A., Klepp, G., Glasmacher, B., Pour, K.M. (2021). Numerical optimization of drying energy consumption from multiple jets impinging on a moving curved surface. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 755-762. https://doi.org/10.18280/ijht.390309
585	Noumo, P.G., Njomo, D., Nana, K.Z., Nguewo, L.R.C.	Numerical Simulation of the Minimum Insulation Thickness to Thermally Design a Subsea Pipeline Carrying an Oil and Gas Flow	thermal insulation, two-phase flow, heat transfer, numerical simulation, temperature profile, pressure profile	39, 3, 763-774	https://doi.org/10.18280/ijht.390310	Noumo, P.G., Njomo, D., Nana, K.Z., Nguewo, L.R.C. (2021). Numerical simulation of the minimum insulation thickness to thermally design a subsea pipeline carrying an oil and gas flow. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 763-774. https://doi.org/10.18280/ijht.390310
586	Babu, A.B., Reddy, G.S.K., Koteswararao, N.V.	Nonlinear Magneto Convection in a Rotating Fluid due to Vertical Magnetic Field and Vertical Axis of Rotation	bifurcation points, secondary instabilities, heat transport, travelling and standing waves	39, 3, 775-786	https://doi.org/10.18280/ijht.390311	Babu, A.B., Reddy, G.S.K., Koteswararao, N.V. (2021). Nonlinear magneto convection in a rotating fluid due to vertical magnetic field and vertical axis of rotation. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 775-786. https://doi.org/10.18280/ijht.390311
587	Zhang, F.Q.	An Individual Household-Based Heating Metering and Charging Management System for Central Heating in Community Residential Buildings	central heating, metering based on individual household, heat sharing, hydraulic characteristics	39, 3, 787-796	https://doi.org/10.18280/ijht.390312	Zhang, F.Q. (2021). An individual household-based heating metering and charging management system for central heating in community residential buildings. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 787-796. https://doi.org/10.18280/ijht.390312
588	Syaiful, Yunianto, B., Salsabila, C.D., Fajar T.K., F., Soetanto, M.F.	Effect of Attack Angle of Concave and Convex Winglets Vortex Generators on Thermal-Hydraulic Performance of Fin and Tube Heat Exchangers with Field Synergy Principle	longitudinal vortex, vortex intensity, heat transfer coefficient, thermal-hydrodynamic performance, synergy angle	39, 3, 797-809	https://doi.org/10.18280/ijht.390313	Syaiful, Yunianto, B., Salsabila, C.D., Fajar T.K., F., Soetanto, M.F. (2021). Effect of attack angle of concave and convex winglets vortex generators on thermal-hydraulic performance of fin and tube heat exchangers with field synergy principle. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 797-809. https://doi.org/10.18280/ijht.390313
589	Desa, W.N.M., Fudholi, A., Sudibyo, H., Pikra, G., Dewi, N.S., Asim, N., Subagio, D.G., Atmaja, T.D., Riyanto, E., Sanjaya, K.H., Kristiawan, M., Abimanyu, H.	Energy Analysis of Greenhouse Dryer for Ficus Carica L. Leaves	thermal energy, solar energy, solar drying, solar collector, thermal efficiency	39, 3, 810-816	https://doi.org/10.18280/ijht.390314	Desa, W.N.M., Fudholi, A., Sudibyo, H., Pikra, G., Dewi, N.S., Asim, N., Subagio, D.G., Atmaja, T.D., Riyanto, E., Sanjaya, K.H., Kristiawan, M., Abimanyu, H. (2021). Energy analysis of greenhouse dryer for Ficus carica L. leaves. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 810-816. https://doi.org/10.18280/ijht.390314
590	Jaddoa, A.A.	Convection Heat Transfer Analysis with Flow Resistance for Mini-Helically Coiled Tubes at Supercritical Pressures Experimentally	supercritical CO ₂ , helically coiled tube, exergy destruction, friction factor and pressure drop	39, 3, 817-824	https://doi.org/10.18280/ijht.390315	Jaddoa, A.A. (2021). Convection heat transfer analysis with flow resistance for mini-helically coiled tubes at supercritical pressures experimentally. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 817-824. https://doi.org/10.18280/ijht.390315
591	Yu, J., Sui, L.L., Xu, Y.R., Chi, B.M.	Fluctuation Characteristics of Water Level and Water Temperature of Huize Well Based on MF-DCCA	water level, water temperature, MF-DCCA	39, 3, 825-832	https://doi.org/10.18280/ijht.390316	Yu, J., Sui, L.L., Xu, Y.R., Chi, B.M. (2021). Fluctuation characteristics of water level and water temperature of Huize well based on MF-DCCA. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 825-832. https://doi.org/10.18280/ijht.390316
592	Samsudin, S., Aziz, N.A., Hairuddin, A.A., Masuri, S.U.	A Study on Bituminous Coal Base Acid Ratio to the Slagging Factor at Large Scale Boiler	boiler, coal ash, base acid ratio, ash slagging	39, 3, 833-840	https://doi.org/10.18280/ijht.390317	Samsudin, S., Aziz, N.A., Hairuddin, A.A., Masuri, S.U. (2021). A study on bituminous coal base acid ratio to the slagging factor at large scale boiler. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 833-840. https://doi.org/10.18280/ijht.390317
593	Anurag, Yadav, S.L., Singh, A.K.	Influence of Heat Source/Sink on Free Convection in Annular Porous Region	fully developed flow, natural convection, source and sink, isothermal and constant heat flux, modified Bessel function	39, 3, 841-850	https://doi.org/10.18280/ijht.390318	Anurag, Yadav, S.L., Singh, A.K. (2021). Influence of heat source/sink on free convection in annular porous region. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 841-850. https://doi.org/10.18280/ijht.390318
594	Shakir, S.W., Ahmed, S.M.R., Wiheeb, A.D.	Improvement of CO ₂ Absorption/Desorption Rate Using New Nano-Fluid	alkanolamine blends, CO ₂ absorption capacity, desorption capacity, nano particles, improvement factor	39, 3, 851-857	https://doi.org/10.18280/ijht.390319	Shakir, S.W., Ahmed, S.M.R., Wiheeb, A.D. (2021). Improvement of CO ₂ absorption/desorption rate using new nano-fluid. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 851-857. https://doi.org/10.18280/ijht.390319
595	Basavaraju, S., Kaleru, A., Chintireddy, S.R.	Heat Transfer Analysis of Gas Turbine Blade by Varying Number of Cooling Holes and at Suitable Coolant Speeds Using CFD	turbine blade, internal cooling, cooling holes, Nusselt number, heat transfer coefficient, CFD simulation, FLUENT 14.5	39, 3, 858-866	https://doi.org/10.18280/ijht.390320	Basavaraju, S., Kaleru, A., Chintireddy, S.R. (2021). Heat transfer analysis of gas turbine blade by varying number of cooling holes and at suitable coolant speeds using CFD. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 858-866. https://doi.org/10.18280/ijht.390320

596	Qiao, J.F., Wu, H.G., Niu, Y.J.	Risk Assessment of Smart Community Heating Reconstruction Project Based on Artificial Neural Network	neural network, heating reconstruction, risk assessment, artificial fish swarm algorithm (AFSA)	39, 3, 867-875	https://doi.org/10.18280/ijht.390321	Qiao, J.F., Wu, H.G., Niu, Y.J. (2021). Risk assessment of smart community heating reconstruction project based on artificial neural network. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 867-875. https://doi.org/10.18280/ijht.390321
597	Lawrence, J., Alagarsamy, V.K.	Fluid Flow and Heat Transfer Analysis of Quadratic Free Convection in a Nanofluid Filled Porous Cavity	non-linear convection, porous, nanofluid, cavity, magnetic, heatlines	39, 3, 876-884	https://doi.org/10.18280/ijht.390322	Lawrence, J., Alagarsamy, V.K. (2021). Fluid flow and heat transfer analysis of quadratic free convection in a nanofluid filled porous cavity. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 876-884. https://doi.org/10.18280/ijht.390322
598	Babu, D.H., Tarakaramu, N., Narayana, P.V.S., Sarojamma, G., Makinde, O.D.	MHD Flow and Heat Transfer of a Jeffrey Fluid over a Porous Stretching/Shrinking Sheet with a Convective Boundary Condition	Jeffrey fluid, convective boundary conditions, magneto-hydrodynamics (MHD), thermal radiation, numerical study	39, 3, 885-894	https://doi.org/10.18280/ijht.390323	Babu, D.H., Tarakaramu, N., Narayana, P.V.S., Sarojamma, G., Makinde, O.D. (2021). MHD flow and heat transfer of a Jeffrey fluid over a porous stretching/shrinking sheet with a convective boundary condition. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 885-894. https://doi.org/10.18280/ijht.390323
599	Kadhim, S.K., Al-Azawy, M.G., Ali, S.A.G., Kadhim, M.Q.	The Influence of Non-Newtonian Model on Properties of Blood Flow Through a Left Coronary Artery with Presence of Different Double Stenosis	left coronary artery, double stenosis, non-Newtonian flow, wall shear stress, computational fluid dynamics	39, 3, 895-905	https://doi.org/10.18280/ijht.390324	Kadhim, S.K., Al-Azawy, M.G., Ali, S.A.G., Kadhim, M.Q. (2021). The influence of non-Newtonian model on properties of blood flow through a left coronary artery with presence of different double stenosis. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 895-905. https://doi.org/10.18280/ijht.390324
600	Yang, T., Hong, Y., Wang, A.J., Ran, X.F., Fan, X.J., Hu, C.P.	Failure Mechanism and Optimization of Throttle Valve Based on Computational Fluid Dynamics	throttle valve, erosion resistance device, flow field, computational fluid dynamics (CFD)	39, 3, 906-912	https://doi.org/10.18280/ijht.390325	Yang, T., Hong, Y., Wang, A.J., Ran, X.F., Fan, X.J., Hu, C.P. (2021). Failure mechanism and optimization of throttle valve based on computational fluid dynamics. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 906-912. https://doi.org/10.18280/ijht.390325
601	Kruthiventi, S.S., Rasu, N.G., Rao, Y.V.H.	Modelling and Parametric Analysis of Wire Finned Coiled Tube Heat Exchanger in a Small J-T Refrigerator	J-T refrigerator, wirefin, coiled tube heat exchanger, refrigerant mixture	39, 3, 913-918	https://doi.org/10.18280/ijht.390326	Kruthiventi, S.S., Rasu, N.G., Rao, Y.V.H. (2021). Modelling and parametric analysis of wire finned coiled tube heat exchanger in a small J-T refrigerator. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 913-918. https://doi.org/10.18280/ijht.390326
602	Qadiri, U., Pasha, A.A., Rahman, M.M., Raheem, M.A., Jameel, A.G.A., Pillai, S.N.	Parametric Investigation on Single Cylinder Spark Ignition Engine Fueled Methanol Blends; Water-Based Micro Emulsions and Conventional Gasoline	J-T refrigerator, wirefin, coiled tube heat exchanger, refrigerant mixture	39, 3, 919-924	https://doi.org/10.18280/ijht.390327	Qadiri, U., Pasha, A.A., Rahman, M.M., Raheem, M.A., Jameel, A.G.A., Pillai, S.N. (2021). Parametric investigation on single cylinder spark ignition engine fueled methanol blends; Water-based micro emulsions and conventional gasoline. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 919-924. https://doi.org/10.18280/ijht.390327
603	He, X., Ren, X., Zeng, F.J., Zhang, Y.D., Xin, Y., Chen, Q.H.	Influence of H ₂ O on Oxygen Enriched Diffusion Combustion of Natural Gas	O ₂ /H ₂ O combustion, numerical simulation, oxygen enrichment, temperature, pollutants	39, 3, 925-932	https://doi.org/10.18280/ijht.390328	He, X., Ren, X., Zeng, F.J., Zhang, Y.D., Xin, Y., Chen, Q.H. (2021). Influence of H ₂ O on oxygen enriched diffusion combustion of natural gas. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 925-932. https://doi.org/10.18280/ijht.390328
604	Parenden, D., Sahupala, P., Hariyanto, H.	Utilization of Solar Energy for Water Pump Installation Design	solar, solar energy, pump, solar cell	39, 3, 933-937	https://doi.org/10.18280/ijht.390329	Parenden, D., Sahupala, P., Hariyanto, H. (2021). Utilization of solar energy for water pump installation design. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 933-937. https://doi.org/10.18280/ijht.390329
605	Al-Dabbas, M.A.A.	The Description of "Temperature Self-Limiting" in Jordanian Solar Generators with Natural Cooling	stagnation, inactiveness, solar generator, solid flow CFX, solenoid check valve, emptying of solar generator, temperature self-limiting, natural cooling, Reflux Pipe	39, 3, 938-946	https://doi.org/10.18280/ijht.390330	Al-Dabbas, M.A.A. (2021). The description of "temperature self-limiting" in Jordanian solar generators with natural cooling. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 938-946. https://doi.org/10.18280/ijht.390330
606	Zhang, M.M.	Heat Source Analysis on Ultrasonic Welding of Plastic Structural Components Based on Numerical Simulation	numerical simulation, plastic structural component, ultrasonic welding, heat source analysis	39, 3, 947-954	https://doi.org/10.18280/ijht.390331	Zhang, M.M. (2021). Heat source analysis on ultrasonic welding of plastic structural components based on numerical simulation. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 947-954. https://doi.org/10.18280/ijht.390331
607	Nerella, S.S., Nakka, S.V.V.S., Panitapu, B.	Mathematical Modeling of Closed Loop Pulsating Heat Pipe by Using Artificial Neural Networks	angle of inclination, ANN model, CLPHP, fill ratio (FR), heat input, thermal resistance (Rth), working fluid	39, 3, 955-962	https://doi.org/10.18280/ijht.390332	Nerella, S.S., Nakka, S.V.V.S., Panitapu, B. (2021). Mathematical modeling of closed loop pulsating heat pipe by using artificial neural networks. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 955-962. https://doi.org/10.18280/ijht.390332
608	Rabi, R., Oufni, L., Youssoufi, E.H., Cheikh, K., Badry, H., Errami, Y.	CFD Simulation and Experimental Measurements of Radon Distribution in a Traditional Hammam	radon, traditional hammam, computational fluid dynamics (CFD), measurement method, analytical method	39, 3, 963-968	https://doi.org/10.18280/ijht.390333	Rabi, R., Oufni, L., Youssoufi, E.H., Cheikh, K., Badry, H., Errami, Y. (2021). CFD simulation and experimental measurements of radon distribution in a traditional hammam. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 963-968. https://doi.org/10.18280/ijht.390333
609	Zhao, F., Li, X.W., Hou, J.L.	Simulation and Multi-Objective Optimization of the Vehicle Thermal Management System of Electric Cars	electric cars, vehicle thermal management (VTM), system simulation, multi-objective optimization	39, 3, 969-978	https://doi.org/10.18280/ijht.390334	Zhao, F., Li, X.W., Hou, J.L. (2021). Simulation and multi-objective optimization of the vehicle thermal management system of electric cars. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 969-978. https://doi.org/10.18280/ijht.390334
610	Redha, Z.A.A., Rashid, F.L.	Heat Transfer Enhancement in Subchannel Geometry of Pressurized Water Reactor Using Water-Based Yttrium Oxide Nanofluid	ANSYS fluent, CFD, PWR, subchannel geometry, water-based nanofluids	39, 3, 979-986	https://doi.org/10.18280/ijht.390335	Redha, Z.A.A., Rashid, F.L. (2021). Heat transfer enhancement in subchannel geometry of pressurized water reactor using water-based Yttrium Oxide nanofluid. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 979-986. https://doi.org/10.18280/ijht.390335
611	Sapkal, N.P.	Experimental Investigations on the Ignition Delay Time of Freely Falling Liquid Fuel Droplets	ignition delay time, free falling droplets, hydrocarbons, viscosity, volatility, negative temperature coefficient	39, 3, 987-991	https://doi.org/10.18280/ijht.390336	Sapkal, N.P. (2021). Experimental investigations on the ignition delay time of freely falling liquid fuel droplets. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 987-991. https://doi.org/10.18280/ijht.390336
612	Bo, Q.Y., Cheng, W.Q., Sun, T.	On the Influencing Mechanism of Geothermal Fluids on the Dynamic Changes of Groundwater Flow and Heat Transfer Temperature	geothermal, groundwater flow, flow rate, temperature field	39, 3, 992-1000	https://doi.org/10.18280/ijht.390337	Bo, Q.Y., Cheng, W.Q., Sun, T. (2021). On the influencing mechanism of geothermal fluids on the dynamic changes of groundwater flow and heat transfer temperature. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 992-1000. https://doi.org/10.18280/ijht.390337

613	Fatt, Y.Y., Goharzadeh, A.	Modeling of Particle Deposition in a Two-Fluid Flow Environment	two-fluid flow, particle deposition, level-set method	39, 3, 1001-1014	https://doi.org/10.18280/ijht.390338	Fatt, Y.Y., Goharzadeh, A. (2021). Modeling of particle deposition in a two-fluid flow environment. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 1001-1014. https://doi.org/10.18280/ijht.390338
614	Puranik, S.M., Ramarao, I., Ravikumar, S.K.	Effect of Heat Transfer on Newtonian Flow Between Concentric Elliptical Regions	conformal mapping, concentric ellipse, doubly connected region, heat transfer, Newtonian fluid	39, 3, 1015-1025	https://doi.org/10.18280/ijht.390339	Puranik, S.M., Ramarao, I., Ravikumar, S.K. (2021). Effect of heat transfer on Newtonian flow between concentric elliptical regions. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 1015-1025. https://doi.org/10.18280/ijht.390339
615	Liu, Y.J.	Systematic Renovation Design of Surface Water Source Heat Pump for a Hot Spring Center Based on Thermodynamic Analysis	surface water, water source heat pump (WSHP), system optimization, renovation design, exergy analysis of WSHP system	39, 3, 1026-1036	https://doi.org/10.18280/ijht.390340	Liu, Y.J. (2021). Systematic renovation design of surface water source heat pump for a hot spring center based on thermodynamic analysis. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 3, pp. 1026-1036. https://doi.org/10.18280/ijht.390340
616	Haidary, F.M., Hasan, M.R., Adib, M., Labib, S.H., Hossain, M.J., Ghosh, A.K., Goswami, A.	Enhancement of Pool Boiling Heat Transfer over Plain and Rough Cylindrical Tubes	heating tube, heat transfer, orientation, pool boiling, surface roughness, wall superheat	39, 2, 329-336	https://doi.org/10.18280/ijht.390201	Haidary, F.M., Hasan, M.R., Adib, M., Labib, S.H., Hossain, M.J., Ghosh, A.K., Goswami, A. (2021). Enhancement of pool boiling heat transfer over plain and rough cylindrical tubes. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 329-336. https://doi.org/10.18280/ijht.390201
617	Guillermo, F.U., Diana, R., Domingo, A.T.	Estimation of a Thermal Conductivity in a Stationary Heat Transfer Problem with a Solid-Solid Interface	elasticity analysis, inverse problem, mathematical modeling, numerical simulation, parameter estimation	39, 2, 337-344	https://doi.org/10.18280/ijht.390202	Guillermo, F.U., Diana, R., Domingo, A.T. (2021). Estimation of a thermal conductivity in a stationary heat transfer problem with a solid-solid interface. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 337-344. https://doi.org/10.18280/ijht.390202
618	Daghab, H., Kaddiri, M., Raghay, S., Lamsaadi, M., El Harfi, H.	Numerical Study of Natural Convection for Generalized Second-Grade Fluids Confined in a Square Cavity Subjected to Horizontal Heat Flux	finite volume, generalized second-grade model, natural convection, numerical study, square cavity, viscoelastic fluids	39, 2, 345-354	https://doi.org/10.18280/ijht.390203	Daghab, H., Kaddiri, M., Raghay, S., Lamsaadi, M., El Harfi, H. (2021). Numerical study of natural convection for generalized second-grade fluids confined in a square cavity subjected to horizontal heat flux. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 345-354. https://doi.org/10.18280/ijht.390203
619	Cao, Y.C., Chen, X.L., Yang, J., Zhang, H.Y.	Heat Analysis and Fire Prevention of Timber Buildings in Southwest China Based on Fractal and Seepage Theory	fire, traditional Chinese settlements, fractal and seepage theory	39, 2, 355-364	https://doi.org/10.18280/ijht.390204	Cao, Y.C., Chen, X.L., Yang, J., Zhang, H.Y. (2021). Heat analysis and fire prevention of timber buildings in southwest China based on fractal and seepage theory. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 355-364. https://doi.org/10.18280/ijht.390204
620	Al-Obaidi, A.R., Alhamid, J.	Investigation of Thermo-Hydraulics Flow and Augmentation of Heat Transfer in the Circular Pipe by Combined Using Corrugated Tube with Dimples and Fitted with Varying Tape Insert Configurations	thermo-hydraulics flow, augmentation of heat transfer, corrugated tube, dimples, tape insert configurations	39, 2, 365-374	https://doi.org/10.18280/ijht.390205	Al-Obaidi, A.R., Alhamid, J. (2021). Investigation of thermo-hydraulics flow and augmentation of heat transfer in the circular pipe by combined using corrugated tube with dimples and fitted with varying tape insert configurations. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 365-374. https://doi.org/10.18280/ijht.390205
621	Gorbenko, G.A., Gakal, P.G., Turna, R.Y., Hodunov, A.M., Reshytov, E.R.	Heat Transfer in Evaporator of Thermal Sink in Presence of Subcooled Boiling Section	average heat-transfer coefficient, ammonia, boiling curve, evaporator, mechanically pumped two-phase loop, subcooled boiling, saturated boiling, two-phase thermal control system	39, 2, 375-382	https://doi.org/10.18280/ijht.390206	Gorbenko, G.A., Gakal, P.G., Turna, R.Y., Hodunov, A.M., Reshytov, E.R. (2021). Heat transfer in evaporator of thermal sink in presence of subcooled boiling section. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 375-382. https://doi.org/10.18280/ijht.390206
622	Gao, J., Guo, S.H., Liu, J.Q., Li, J.	Properties of Polyhedral Oligomeric Silsesquioxane-Modified Cellulose Insulation Paper with Different Number of Phenyls	cellulose insulation paper, polyhedral oligomeric silsesquioxane (POSS), mechanical properties, thermal stability, polarizability	39, 2, 383-389	https://doi.org/10.18280/ijht.390207	Gao, J., Guo, S.H., Liu, J.Q., Li, J. (2021). Properties of polyhedral oligomeric silsesquioxane-modified cellulose insulation paper with different number of phenyls. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 383-389. https://doi.org/10.18280/ijht.390207
623	Camaraza-Medina, Y.	New Perspective for Heat Transfer Evaluation During Film Condensation Inside Tubes	film condensation, heat transfer coefficient, adimensional velocity, mathematical deduction	39, 2, 390-402	https://doi.org/10.18280/ijht.390208	Camaraza-Medina, Y. (2021). New perspective for heat transfer evaluation during film condensation inside tubes. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 390-402. https://doi.org/10.18280/ijht.390208
624	Sharma, C., Kumar, S., Singh, A., Hire, K.R.B., Karnatak, V., Pandey, V., Gupta, J., Shrimali, R., Singh, S., Noorsha, S.S., Gundabattini, E.	Comprehensive Review on Leading Edge Turbine Blade Cooling Technologies	aerofoils, blade cooling, blade material, jet impingement, leading edge, turbulator, truncated ribs, continuous ribs, trailing edge	39, 2, 403-416	https://doi.org/10.18280/ijht.390209	Sharma, C., Kumar, S., Singh, A., Hire, K.R.B., Karnatak, V., Pandey, V., Gupta, J., Shrimali, R., Singh, S., Noorsha, S.S., Gundabattini, E. (2021). Comprehensive review on leading edge turbine blade cooling technologies. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 403-416. https://doi.org/10.18280/ijht.390209
625	Jiang, P.F., Zhang, D., Li, B., Song, C.	Design and Numerical Simulation of In-Situ Pyrolysis of Oil Shale Through Horizontal Well Fracturing with Nitrogen Injection	oil shale, in-situ pyrolysis, horizontal well fracturing, heat transfer simulation, proportion of effective pyrolysis zone	39, 2, 417-423	https://doi.org/10.18280/ijht.390210	Jiang, P.F., Zhang, D., Li, B., Song, C. (2021). Design and numerical simulation of in-situ pyrolysis of oil shale through horizontal well fracturing with nitrogen injection. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 417-423. https://doi.org/10.18280/ijht.390210
626	Vyas, P., Khan, S.	Dual Entropy Regime in Channel Flow Subjected to Temperature Dependent Convection Mechanism	entropy, radiation parameter, porous medium, temperature dependent convection mechanism	39, 2, 424-432	https://doi.org/10.18280/ijht.390211	Vyas, P., Khan, S. (2021). Dual entropy regime in channel flow subjected to temperature dependent convection mechanism. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 424-432. https://doi.org/10.18280/ijht.390211
627	Aissa, M., Boutelhig, A.	CFD Comparative Study Between Different Forms of Solar Greenhouses and Orientation Effect	tunnel, chapel, dome, temperature, drag effect	39, 2, 433-440	https://doi.org/10.18280/ijht.390212	Aissa, M., Boutelhig, A. (2021). CFD comparative study between different forms of solar greenhouses and orientation effect. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 433-440. https://doi.org/10.18280/ijht.390212
628	Oyelami, F.H., Falodun, B.O.	Heat and Mass Transfer of Hydrodynamic Boundary Layer Flow along a Flat Plate with the Influence of Variable Temperature and Viscous Dissipation	Eckert number, viscous dissipation, boundary layer, heat and mass transfer	39, 2, 441-450	https://doi.org/10.18280/ijht.390213	Oyelami, F.H., Falodun, B.O. (2021). Heat and mass transfer of hydrodynamic boundary layer flow along a flat plate with the influence of variable temperature and viscous dissipation. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 441-450. https://doi.org/10.18280/ijht.390213
629	Wang, Z.D.	Thermal Design and Cooling Performance Evaluation of Electronic Equipment Containing Power Electronic Devices	power electronic devices (PEDs), thermal design of electronic equipment, cooling scheme	39, 2, 451-459	https://doi.org/10.18280/ijht.390214	Wang, Z.D. (2021). Thermal design and cooling performance evaluation of electronic equipment containing power electronic devices. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 451-459. https://doi.org/10.18280/ijht.390214

630	Villagran, E.	Two-Dimensional Numerical Study of the Microclimate Generated in Three Greenhouses for the Climatic Conditions of the Colombian Caribbean	CFD simulation, airflow, temperature, relative humidity	39, 2, 460-468	https://doi.org/10.18280/ijht.390215	Villagran, E. (2021). Two-dimensional numerical study of the microclimate generated in three greenhouses for the climatic conditions of the Colombian Caribbean. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 460-468. https://doi.org/10.18280/ijht.390215
631	Oni, T.O., Awopetu, J.B., Adeleye, S.A., Uguru-Okorie, D.C., Adeyanju, A.A., Olukayode, N.E.	Development of a Latent Heat Thermal Energy Storage Material-Based Refrigeration System	temperature, refrigeration, evaporator, performance, improvement, compressor work, refrigerating effect	39, 2, 469-476	https://doi.org/10.18280/ijht.390216	Oni, T.O., Awopetu, J.B., Adeleye, S.A., Uguru-Okorie, D.C., Adeyanju, A.A., Olukayode, N.E. (2021). Development of a latent heat thermal energy storage material-based refrigeration system. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 469-476. https://doi.org/10.18280/ijht.390216
632	Liang, X.Q., Hu, D., Jiang, L., Li, Y.S., Yang, X.	Thermal Stress Analysis and Spatial Data Matching of Urban Underground Pipelines	urban underground pipeline, thermal pipeline, thermal stress analysis, spatial data matching	39, 2, 477-485	https://doi.org/10.18280/ijht.390217	Liang, X.Q., Hu, D., Jiang, L., Li, Y.S., Yang, X. (2021). Thermal stress analysis and spatial data matching of urban underground pipelines. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 477-485. https://doi.org/10.18280/ijht.390217
633	Rangaraju, P., Sivakumar, S.	Comparative Experimental Analysis of Temperature Distribution in Mini Size Permeable and Non-Permeable Varying Salt Density Solar Pond	temperature distribution, varying salt density, conventional solar pond, permeable solar pond, thermal energy storage	39, 2, 486-492	https://doi.org/10.18280/ijht.390218	Rangaraju, P., Sivakumar, S. (2021). Comparative experimental analysis of temperature distribution in mini size permeable and non-permeable varying salt density solar pond. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 486-492. https://doi.org/10.18280/ijht.390218
634	Rajendra, I.M., Winaya, I.N.S., Ghurri, A., Wirawan, I.K.G.	Comprehensive Kinetic Study of Pyrolysis of Sunan Candelnut: The Effect of Using Iron Oxide, Zeolite and ZSM-5 as Bed Materials	sunan candelnut, slow fixed bed pyrolysis, bed materials, kinetic iso-conversional, activation energy	39, 2, 493-502	https://doi.org/10.18280/ijht.390219	Rajendra, I.M., Winaya, I.N.S., Ghurri, A., Wirawan, I.K.G. (2021). Comprehensive kinetic study of pyrolysis of sunan candelnut: The effect of using iron oxide, zeolite and ZSM-5 as bed materials. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 493-502. https://doi.org/10.18280/ijht.390219
635	Cheng, Y.G., Wu, Y.Q., Bai, S.R.	A Smart Community Waste Heat Recovery System Based on Air Source-Sewage Source Compound Heat Pump	air source heat pump, sewage source heat pump, waste heat recovery	39, 2, 503-511	https://doi.org/10.18280/ijht.390220	Cheng, Y.G., Wu, Y.Q., Bai, S.R. (2021). A smart community waste heat recovery system based on air source-sewage source compound heat pump. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 503-511. https://doi.org/10.18280/ijht.390220
636	Gopalakrishna, S.B., Lakkanna, R., Alangar, S.	Investigation of Forced Convective and Subcooled Flow Boiling Heat Transfer Coefficients of Water-Ethanol Mixture: Numerical Study	bubble void fraction, numerical simulation, high speed camera, conventional channel, visualization	39, 2, 512-520	https://doi.org/10.18280/ijht.390221	Gopalakrishna, S.B., Lakkanna, R., Alangar, S. (2021). Investigation of forced convective and subcooled flow boiling heat transfer coefficients of water-ethanol mixture: Numerical study. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 512-520. https://doi.org/10.18280/ijht.390221
637	Bensenouci, A., Teggat, M., Medjelled, A., Benchatti, A.	Thermodynamic Analysis of Hydrogen Production by a Thermochemical Cycle Based on Magnesium-Chlorine	exergy analysis, hydrogen production, magnesium-chlorine cycle, thermochemical cycle, water splitting	39, 2, 521-530	https://doi.org/10.18280/ijht.390222	Bensenouci, A., Teggat, M., Medjelled, A., Benchatti, A. (2021). Thermodynamic analysis of hydrogen production by a thermochemical cycle based on magnesium-chlorine. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 521-530. https://doi.org/10.18280/ijht.390222
638	Sultan, K.F., Jabal, M.H., Jaddoa, A.A.	Energetic and Exergetic Assessment of Spiral Heat Exchanger Using Mineral and Oxide Mineral Oil Nanofluid	oil nanofluids, exergy, spiral heat exchanger, heat transfer, pressure drop	39, 2, 531-540	https://doi.org/10.18280/ijht.390223	Sultan, K.F., Jabal, M.H., Jaddoa, A.A. (2021). Energetic and exergetic assessment of spiral heat exchanger using mineral and oxide mineral oil nanofluid. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 531-540. https://doi.org/10.18280/ijht.390223
639	Zhao, X.J.	Tank Wall Thermal Stress Analysis and Risk Prevention and Control of Crude Oil Storage Tank	crude oil storage tank (COST), thermal stress analysis, risk prevention and control, storage and transport	39, 2, 541-549	https://doi.org/10.18280/ijht.390224	Zhao, X.J. (2021). Tank wall thermal stress analysis and risk prevention and control of crude oil storage tank. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 541-549. https://doi.org/10.18280/ijht.390224
640	Kulkarni, M., Dingare, S., Kulkarni, C.	Modeling, Simulation and Analysis of Tapered Receiver Utilization in Solar Cycloidal Concentrating System for Enhancement of System Efficiency	solar energy, tapered receiver, solar cycloidal concentrator, receiver modeling, heat transfer simulation, CFD analysis	39, 2, 550-558	https://doi.org/10.18280/ijht.390225	Kulkarni, M., Dingare, S., Kulkarni, C. (2021). Modeling, simulation and analysis of tapered receiver utilization in solar cycloidal concentrating system for enhancement of system efficiency. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 550-558. https://doi.org/10.18280/ijht.390225
641	Kumar, B., Verma, S.K., Srivastava, S.	Mixing Characteristics of Supersonic Jet from Bevelled Nozzles	jet mixing, supersonic, bevel nozzle, k- ω SST, fluent	39, 2, 559-572	https://doi.org/10.18280/ijht.390226	Kumar, B., Verma, S.K., Srivastava, S. (2021). Mixing characteristics of supersonic jet from bevelled nozzles. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 559-572. https://doi.org/10.18280/ijht.390226
642	Tarla, M.R., Surapaneni, S.R., Varughese, K.T.	Modifications of Sub-components in Thermal Power Plants for Exergetic Efficiency	exergy, heat pipes, sustainability, platen super heater, final super heater, reheater, condenser, exergetic efficiency	39, 2, 573-580	https://doi.org/10.18280/ijht.390227	Tarla, M.R., Surapaneni, S.R., Varughese, K.T. (2021). Modifications of sub-components in thermal power plants for exergetic efficiency. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 573-580. https://doi.org/10.18280/ijht.390227
643	Tang, Y.H., Deng, X.Y.	Economic and Environmental Impacts of Geothermal Resource Development in Hunan, China	geothermal resources, economy and environment, correlation analysis	39, 2, 581-586	https://doi.org/10.18280/ijht.390228	Tang, Y.H., Deng, X.Y. (2021). Economic and environmental impacts of geothermal resource development in Hunan, China. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 581-586. https://doi.org/10.18280/ijht.390228
644	Alayi, R., Zanghanch, S.A.	Experimental Analysis of Nano Fluid Hydrodynamic Behavior of Al ₂ O ₃ in Heating Systems of Residential Building	nano fluid, residential building, hydrodynamic behavior, Al ₂ O ₃	39, 2, 587-596	https://doi.org/10.18280/ijht.390229	Alayi, R., Zanghanch, S.A. (2021). Experimental analysis of nano fluid hydrodynamic behavior of Al ₂ O ₃ in heating systems of residential building. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 587-596. https://doi.org/10.18280/ijht.390229
645	Mirshafiee, S.M., Amiri, E.O.	Numerical Investigation of Heat Transfer in a Rectangular Channel with Square Baffles and a Triangular Obstacle	computational fluid dynamic, Nusselt number, square baffle, rectangular channel, triangular obstacle	39, 2, 597-603	https://doi.org/10.18280/ijht.390230	Mirshafiee, S.M., Amiri, E.O. (2021). Numerical investigation of heat transfer in a rectangular channel with square baffles and a triangular obstacle. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 597-603. https://doi.org/10.18280/ijht.390230
646	Liu, L.L., Liu, J.	Influence of Different Structural Parameters of Rotary Flow Jetting Tool on Gas-Liquid Flow State	rotary flow jetting tool (RFJT), rotary flow, orthogonal test design, drainage gas recovery, numerical simulation	39, 2, 604-614	https://doi.org/10.18280/ijht.390231	Liu, L.L., Liu, J. (2021). Influence of different structural parameters of rotary flow jetting tool on gas-liquid flow state. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 604-614. https://doi.org/10.18280/ijht.390231

647	Ridha, H., Al-Azawy, M.G.	Effect of Wall Heat Transfer on the Fluidization Process	heat transfer, fluidized bed, aluminum particles, Ansys fluent, computational fluid dynamics	39, 2, 615-620	https://doi.org/10.18280/ijht.390232	Ridha, H., Al-Azawy, M.G. (2021). Effect of wall heat transfer on the fluidization process. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 615-620. https://doi.org/10.18280/ijht.390232
648	Musa, V.A., Mahmood, R.A., Khalifa, S.M.N., Ali, O.M., Abdulkareem, L.A.	Flow Patterns of Oil-Gas and Pressure Gradients in Near-Horizontal Flow Pipeline: Experimental Investigation Using Differential Pressure Transducers	pressure drops in the two-phase flow, two-phase flow patterns in pipes, oil-gas flow patterns, differential pressure transducers	39, 2, 621-628	https://doi.org/10.18280/ijht.390233	Musa, V.A., Mahmood, R.A., Khalifa, S.M.N., Ali, O.M., Abdulkareem, L.A. (2021). Flow patterns of oil-gas and pressure gradients in near-horizontal flow pipeline: Experimental investigation using differential pressure transducers. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 621-628. https://doi.org/10.18280/ijht.390233
649	Zhong, Y.K.	Design and Analysis of Thermal Management System of Power Matching Transmission in Energy Machinery	engineering machinery, power matching, transmission, thermal management design	39, 2, 629-637	https://doi.org/10.18280/ijht.390234	Zhong, Y.K. (2021). Design and analysis of thermal management system of power matching transmission in energy machinery. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 629-637. https://doi.org/10.18280/ijht.390234
650	Andrey, E., Rishat, S., Renat, K., Bulat, I.	Development and Research of the Adaptive Cooling System with an Electric Pump	electric-driven pump, transient cycle, cooling system, engine, ETC	39, 2, 638-642	https://doi.org/10.18280/ijht.390235	Andrey, E., Rishat, S., Renat, K., Bulat, I. (2021). Development and research of the adaptive cooling system with an electric pump. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 638-642. https://doi.org/10.18280/ijht.390235
651	Aneli, S., Arena, R., Gagliano, A.	Numerical Simulations of a PV Module with Phase Change Material (PV-PCM) under Variable Weather Conditions	PCM, PV performances, cells temperature, CFD, simulation	39, 2, 643-652	https://doi.org/10.18280/ijht.390236	Aneli, S., Arena, R., Gagliano, A. (2021). Numerical simulations of a PV module with phase change material (PV-PCM) under variable weather conditions. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 643-652. https://doi.org/10.18280/ijht.390236
652	Agarwal, A.	Modelling & Numerical Investigation of the Effectiveness of Plate Heat Exchanger for Cooling Engine Oil Using ANSYS CFX	conductivity, plate heat exchanger, CFD, thermo-physical properties, Reynolds number, effectiveness	39, 2, 653-658	https://doi.org/10.18280/ijht.390237	Agarwal, A. (2021). Modelling & numerical investigation of the effectiveness of plate heat exchanger for cooling engine oil using ANSYS CFX. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 653-658. https://doi.org/10.18280/ijht.390237
653	Ding, L.R., Chen, C.	Thermal environment optimization and energy saving of residential buildings under the demand of low-carbon operation	low-carbon operation, residential buildings, thermal environment optimization, energy saving	39, 2, 659-668	https://doi.org/10.18280/ijht.390238	Ding, L.R., Chen, C. (2021). Thermal environment optimization and energy saving of residential buildings under the demand of low-carbon operation. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 2, pp. 659-668. https://doi.org/10.18280/ijht.390238
654	Todeschi, V., Marocco, P., Mutani, G., Lanzini, A., Santarelli, M.	Towards Energy Self-consumption and Self-sufficiency in Urban Energy Communities	energy resilience, solar cities, self-consumption, self-sufficiency, electric energy storage, PV-battery system, urban energy community, residential energy solutions	39, 1, 1-11	https://doi.org/10.18280/ijht.390101	Todeschi, V., Marocco, P., Mutani, G., Lanzini, A., Santarelli, M. (2021). Towards energy self-consumption and self-sufficiency in urban energy communities. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 1-11. https://doi.org/10.18280/ijht.390101
655	Selicati, V., Cardinale, N.	The Benefits in Coupling Exergy Analysis and Life Cycle Assessment in the Context of Sustainable Manufacturing for Industry 4.0: A Real Industrial Case	exergy analysis, hybrid modelling, Industry 4.0, Life cycle assessment, smart factory, sustainability	39, 1, 12-22	https://doi.org/10.18280/ijht.390102	Selicati, V., Cardinale, N. (2021). The benefits in coupling exergy analysis and life cycle assessment in the context of sustainable manufacturing for industry 4.0: A real industrial case. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 12-22. https://doi.org/10.18280/ijht.390102
656	Kulchitsky-Zhyhailo, R., Matysiak, S.J., Perkowski, D.M.	Heat Conduction Problems in a Homogeneous Pipe with Inner Nonhomogeneous Coating	temperature, heat loss, nonhomogeneous pipe, inner coating, functionally graded materials	39, 1, 23-31	https://doi.org/10.18280/ijht.390103	Kulchitsky-Zhyhailo, R., Matysiak, S.J., Perkowski, D.M. (2021). Heat conduction problems in a homogeneous pipe with inner nonhomogeneous coating. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 23-31. https://doi.org/10.18280/ijht.390103
657	Chitsazan, A., Klepp, G., Glasmacher, B.	Numerical Optimization of Heat Transfer from Multiple Jets Impinging on a Moving Curved Surface for Industrial Drying Machines	multiple jets, heat transfer, surface motion, surface curvature, CFD, optimization	39, 1, 32-40	https://doi.org/10.18280/ijht.390104	Chitsazan, A., Klepp, G., Glasmacher, B. (2021). Numerical optimization of heat transfer from multiple jets impinging on a moving curved surface for industrial drying machines. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 32-40. https://doi.org/10.18280/ijht.390104
658	Wang, L., Xue, R., Cai, N., Wu, W., Zhang, D.L.	Application of Three-Dimensional Meshless Method in Muzzle Flow Field of Projectile with Large Displacement	meshless method, dynamic cloud of point, non-equilibrium reaction, AUFS, three-dimensional muzzle flow field, large-scale movable boundary	39, 1, 41-50	https://doi.org/10.18280/ijht.390105	Wang, L., Xue, R., Cai, N., Wu, W., Zhang, D.L. (2021). Application of three-dimensional meshless method in muzzle flow field of projectile with large displacement. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 41-50. https://doi.org/10.18280/ijht.390105
659	Noui, S., Bougoul, S., Demagh, Y.	Interaction Between the Turbulent Natural Convection and Surface Radiation Inside a Confined Greenhouse	greenhouse, natural convection, numerical simulation, radiation heat transfer, turbulence	39, 1, 51-60	https://doi.org/10.18280/ijht.390106	Noui, S., Bougoul, S., Demagh, Y. (2021). Interaction between the turbulent natural convection and surface radiation inside a confined greenhouse. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 51-60. https://doi.org/10.18280/ijht.390106
660	Abed, W.M., Al-Damook, A., Khalil, W.H.	Convective Heat Transfer in an Annulus of Concentric and Eccentric Cylinders with an Inner Rotating Cylinder	concentric and eccentric annular cylinder, rotating internal cylinder, rotational moment coefficient, Taylor-Couette flow, response surface methodology	39, 1, 61-72	https://doi.org/10.18280/ijht.390107	Abed, W.M., Al-Damook, A., Khalil, W.H. (2021). Convective heat transfer in an annulus of concentric and eccentric cylinders with an inner rotating cylinder. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 61-72. https://doi.org/10.18280/ijht.390107
661	Li, X., Fatt, Y.Y., Goharzadeh, A., Chai, J.C., Zhang, M.	Numerical Prediction of Deposition in Two-Phase Flow in Vertical Pipes	two-phase flow, deposition, vertical pipe	39, 1, 73-88	https://doi.org/10.18280/ijht.390108	Li, X., Fatt, Y.Y., Goharzadeh, A., Chai, J.C., Zhang, M. (2021). Numerical prediction of deposition in two-phase flow in vertical pipes. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 73-88. https://doi.org/10.18280/ijht.390108
662	Wongchadukul, P., Rattanadecho, P.	Mathematical Modeling of Multilayered Skin with Embedded Tumor Through Combining Laser Ablation and Nanoparticles: Effects of Laser Beam Area, Wavelength, Intensity, Tumor Absorption Coefficient and Its Position	laser ablation, bioheat transfer, tumor, cancer, skin, numerical simulation	39, 1, 89-100	https://doi.org/10.18280/ijht.390109	Wongchadukul, P., Rattanadecho, P. (2021). Mathematical modeling of multilayered skin with embedded tumor through combining laser ablation and nanoparticles: Effects of laser beam area, wavelength, intensity, tumor absorption coefficient and its position. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 89-100. https://doi.org/10.18280/ijht.390109
663	Huang, Y.S., Tian, L.X., Zhao, H.F., Sun, S.Z., Deng, J.J., Liu, S.	Location and Volume Determination of Hydrogen Refueling Stations Based on Oligopoly Equilibrium	hydrogen fuel cell vehicles (HFCVs), hydrogen refueling stations (HRSs), Multi-agent optimization problem with equilibrium constraint (MOPEC), market equilibrium, oligopoly equilibrium	39, 1, 101-106	https://doi.org/10.18280/ijht.390110	Huang, Y.S., Tian, L.X., Zhao, H.F., Sun, S.Z., Deng, J.J., Liu, S. (2021). Location and volume determination of hydrogen refueling stations based on oligopoly equilibrium. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 101-106. https://doi.org/10.18280/ijht.390110

664	Mostefa, B., Kaddour, R., Embarek, D., Amar, K.	Analysis and Optimization of the Performances of the Centrifugal Compressor Using the CFD	turbomachinery designs, impeller, thermodynamics, aerodynamics, centrifugal compressor, CFD	39, 1, 107-120	https://doi.org/10.18280/ijht.390111	Mostefa, B., Kaddour, R., Embarek, D., Amar, K. (2021). Analysis and optimization of the performances of the centrifugal compressor using the CFD. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 107-120. https://doi.org/10.18280/ijht.390111
665	Oyelami, A.T., Adejuyigbe, S.B., Olusunle, S.O.	Thermal Analysis of Recuperator Developed for Waste Heat Recycling in Liquid-Fuel Fired Furnaces	recuperator, heat exchanger, thermal efficiency, fuel economy, melting furnace	39, 1, 121-127	https://doi.org/10.18280/ijht.390112	Oyelami, A.T., Adejuyigbe, S.B., Olusunle, S.O. (2021). Thermal analysis of recuperator developed for waste heat recycling in liquid-fuel fired furnaces. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 121-127. https://doi.org/10.18280/ijht.390112
666	Zhao, L.W., L.W., Li, X.W., Chai, X.G.	Influencing Factors and Quality Evaluation of Urban Thermal Environment Based on Artificial Neural Network	neural network, urban thermal environment, quality evaluation, urban heat island effect	39, 1, 128-136	https://doi.org/10.18280/ijht.390113	Zhao, L.W., L.W., Li, X.W., Chai, X.G. (2021). Influencing factors and quality evaluation of urban thermal environment based on artificial neural network. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 128-136. https://doi.org/10.18280/ijht.390113
667	Surakasi, R., Sagari, J., Vinjamuri, K.B., Sanduru, B., Vadapalli, S.	Stability and Thermo-Physical Properties of Ethylene Glycol Based Nanofluids for Solar Thermal Applications	solar thermic fluids, multi-walled carbon nanotubes, ethylene glycol – water mixture, viscosity, thermal conductivity, correlation	39, 1, 137-144	https://doi.org/10.18280/ijht.390114	Surakasi, R., Sagari, J., Vinjamuri, K.B., Sanduru, B., Vadapalli, S. (2021). Stability and thermo-physical properties of ethylene glycol based nanofluids for solar thermal applications. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 137-144. https://doi.org/10.18280/ijht.390114
668	Rahmani, M., Petrucci, A.M., Pourdavood, M.R.	Analytical Study of Free Vibrations of Fluid Coupling and Structure in Collision of Turbulent Fluid with FGM Plate	free vibration, FGM, turbulent fluid, February series, Rayleigh-ritz method	39, 1, 145-154	https://doi.org/10.18280/ijht.390115	Rahmani, M., Petrucci, A.M., Pourdavood, M.R. (2021). Analytical study of free vibrations of fluid coupling and structure in collision of turbulent fluid with FGM plate. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 145-154. https://doi.org/10.18280/ijht.390115
669	Ali, A.B., Karkoub, M., Chrigui, M.	Numerical Investigation of Turbulent Premixed Combustion of Methane / Air in Low Swirl Burner under Elevated Pressures and Temperatures	combustion, low swirl burner, turbulence, computational fluid dynamics, large eddy simulation, Reynolds averaged Navier-Stokes	39, 1, 155-160	https://doi.org/10.18280/ijht.390116	Ali, A.B., Karkoub, M., Chrigui, M. (2021). Numerical investigation of turbulent premixed combustion of methane / air in low swirl burner under elevated pressures and temperatures. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 155-160. https://doi.org/10.18280/ijht.390116
670	Zhang, F.	Design of Hydraulic Control System for Press Machine and Analysis on Its Fluid Transmission Features	press machine, hydraulic control system, analysis on fluid transmission features	39, 1, 161-169	https://doi.org/10.18280/ijht.390117	Zhang, F. (2021). Design of hydraulic control system for press machine and analysis on its fluid transmission features. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 161-169. https://doi.org/10.18280/ijht.390117
671	Singh, N.R., Onkar, S., Ramkumar, J.	Thermo-Hydraulic Performance of Square Micro Pin Fins under Forced Convection	forced convection, heat transfer enhancement	39, 1, 170-178	https://doi.org/10.18280/ijht.390118	Singh, N.R., Onkar, S., Ramkumar, J. (2021). Thermo-hydraulic performance of square micro pin fins under forced convection. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 170-178. https://doi.org/10.18280/ijht.390118
672	Jagtap, S.P., Pawar, A.N., Lahane, S.	Effect of Ethanol-Biodiesel-Diesel Blend on Performance and Emission Characteristics of a DI Diesel Engine	biodiesel, diesel engine, ethanol-biodiesel-diesel (EBD) blend	39, 1, 179-184	https://doi.org/10.18280/ijht.390119	Jagtap, S.P., Pawar, A.N., Lahane, S. (2021). Effect of ethanol-biodiesel-diesel blend on performance and emission characteristics of a DI diesel engine. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 179-184. https://doi.org/10.18280/ijht.390119
673	Aabid, A., Khan, S.A.	Studies on Flows Development in a Suddenly Expanded Circular Duct at Supersonic Mach Numbers	nozzle, wall pressure, duct, nozzle pressure ratio, Mach number	39, 1, 185-194	https://doi.org/10.18280/ijht.390120	Aabid, A., Khan, S.A. (2021). Studies on flows development in a suddenly expanded circular duct at supersonic Mach numbers. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 185-194. https://doi.org/10.18280/ijht.390120
674	Lou, B.N., Liang, Y., Gao, X.	Energy Consumption Assessment and Energy-Saving Management in Tourist Resorts	tourist resort, hygrothermal environment, energy consumption assessment, energy-saving management	39, 1, 195-204	https://doi.org/10.18280/ijht.390121	Lou, B.N., Liang, Y., Gao, X. (2021). Energy consumption assessment and energy-saving management in tourist resorts. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 195-204. https://doi.org/10.18280/ijht.390121
675	Tarakaramu, N., Narayana, P.V.S., Babu, D.H., Sarojamma, G., Makinde, O.D.	Joule Heating and Dissipation Effects on Magnetohydrodynamic Couple Stress Nanofluid Flow over a Bidirectional Stretching Surface	magnetohydrodynamic, couple stress, nanofluid, joule heating, viscous dissipation, stretching sheet	39, 1, 205-212	https://doi.org/10.18280/ijht.390122	Tarakaramu, N., Narayana, P.V.S., Babu, D.H., Sarojamma, G., Makinde, O.D. (2021). Joule heating and dissipation effects on magnetohydrodynamic couple stress nanofluid flow over a bidirectional stretching surface. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 205-212. https://doi.org/10.18280/ijht.390122
676	Salih, E.M.S., Al Khaqani, B.H.	Effect of Laser Surface Treatment on Transition Temperature of Ni/Ti SMAS	NiTi SMAS, transformation temp., biocompatibility, ion relies, surface treatment, laser treatment	39, 1, 213-218	https://doi.org/10.18280/ijht.390123	Salih, E.M.S., Al Khaqani, B.H. (2021). Effect of laser surface treatment on transition temperature of Ni/Ti SMAS. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 213-218. https://doi.org/10.18280/ijht.390123
677	Hu, H.X., Luo, W., Wang, Q.H., Yang, J.Z., Zhang, X.Y., Li, Z.H., Zhang, X.H.	Measurement of Relative Permeability Curves of Cores with Different Permeability and Lengths under Unsteady-State	unsteady-state, relative permeability curve, oil-water, gas-water, core length, iso-permeability point	39, 1, 219-226	https://doi.org/10.18280/ijht.390124	Hu, H.X., Luo, W., Wang, Q.H., Yang, J.Z., Zhang, X.Y., Li, Z.H., Zhang, X.H. (2021). Measurement of relative permeability curves of cores with different permeability and lengths under unsteady-state. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 219-226. https://doi.org/10.18280/ijht.390124
678	Hami, K.	Turbulence Modeling a Review for Different Used Methods	turbulence models, RANS, LES, DNS, CFD applications	39, 1, 227-234	https://doi.org/10.18280/ijht.390125	Hami, K. (2021). Turbulence modeling a review for different used methods. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 227-234. https://doi.org/10.18280/ijht.390125
679	Rezende, T.R., Vianna, R.F., Luporini, S.	Simulation of a Plate Heat Exchanger Operating with Nanofluid Coolant Using CFD	CFD, heat transfer, nanofluid, plate heat exchanger, simulation	39, 1, 235-240	https://doi.org/10.18280/ijht.390126	Rezende, T.R., Vianna, R.F., Luporini, S. (2021). Simulation of a plate heat exchanger operating with nanofluid coolant using CFD. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 235-240. https://doi.org/10.18280/ijht.390126
680	Cheng, Y.K., Shi, Z.W., Zu, F.J.	Temperature Field Distribution and Thermal Stability of Roadbed in Permafrost Regions	permafrost regions, frozen soil roadbed, temperature field analysis, thermal stability analysis	39, 1, 241-250	https://doi.org/10.18280/ijht.390127	Cheng, Y.K., Shi, Z.W., Zu, F.J. (2021). Temperature field distribution and thermal stability of roadbed in permafrost regions. International Journal of Heat and Technology, Vol. 39, No. 1, pp. 241-250. https://doi.org/10.18280/ijht.390127

681	Mokhefi, A., Bouanini, M., Elmir, M.	Numerical Simulation of Laminar Flow and Heat Transfer of a Non-Newtonian Nanofluid in an Agitated Tank	agitated tank, nanofluid, shear thinning, power consumption, heat transfer, laminar flow	39, 1, 251-261	https://doi.org/10.18280/ijht.390128	Mokhefi, A., Bouanini, M., Elmir, M. (2021). Numerical simulation of laminar flow and heat transfer of a non-Newtonian nanofluid in an agitated tank. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 251-261. https://doi.org/10.18280/ijht.390128
682	Verma, K., Borgohain, D., Sharma, B.	Analysis of Chemical Reaction on MHD Micropolar Fluid Flow over a Shrinking Sheet near Stagnation Point with Nanoparticles and External Heat	MHD, external heat, micropolar nanofluid, shrinking sheet, chemical reaction, bvp4c	39, 1, 262-268	https://doi.org/10.18280/ijht.390129	Verma, K., Borgohain, D., Sharma, B. (2021). Analysis of chemical reaction on MHD micropolar fluid flow over a shrinking sheet near stagnation point with nanoparticles and external heat. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 262-268. https://doi.org/10.18280/ijht.390129
683	Liu, M.H., Sun, Z.Y., Li, Q., Wei, Z., Liang, B.R.	Driving and Influencing Factors of Biomass Energy Utilization from the Perspective of Farmers	biomass energy, farmers, environment and ecology, logistic regression	39, 1, 269-274	https://doi.org/10.18280/ijht.390130	Liu, M.H., Sun, Z.Y., Li, Q., Wei, Z., Liang, B.R. (2021). Driving and influencing factors of biomass energy utilization from the perspective of farmers. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 269-274. https://doi.org/10.18280/ijht.390130
684	Alam, M.S., Salve, U.R.	Enhancement of Thermal Comfort Inside the Kitchen of Non-Airconditioned Railway Pantry Car	SET index, computational fluid dynamics, energy, comfort temperature, ventilation, thermal sensation, chefs	39, 1, 275-291	https://doi.org/10.18280/ijht.390131	Alam, M.S., Salve, U.R. (2021). Enhancement of thermal comfort inside the kitchen of non-airconditioned railway pantry car. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 275-291. https://doi.org/10.18280/ijht.390131
685	Kshatri, S.S., Dhillon, J., Mishra, S.	Impact of Solar Irradiance and Ambient Temperature on PV Inverter Reliability Considering Geographical Locations	ambient temperature, IGBT, junction temperature, PV inverter, reliability, solar irradiance	39, 1, 292-298	https://doi.org/10.18280/ijht.390132	Kshatri, S.S., Dhillon, J., Mishra, S. (2021). Impact of solar irradiance and ambient temperature on PV inverter reliability considering geographical locations. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 292-298. https://doi.org/10.18280/ijht.390132
686	Liu, Z.R., Guo, A.	Application of Green Building Materials and Multi-objective Energy-Saving Optimization Design	green building materials, energy-saving design, multi-objective optimization	39, 1, 299-308	https://doi.org/10.18280/ijht.390133	Liu, Z.R., Guo, A. (2021). Application of green building materials and multi-objective energy-saving optimization design. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 299-308. https://doi.org/10.18280/ijht.390133
687	Hajipour, A., Lavasani, A.M., Yazdi, M.E.	Investigation of Wall Function Effects on Aerodynamic Characteristics of Turbulent Flow Around a Simplified High-Speed Train	computational fluid dynamics, high-speed train, wall function, aerodynamics, turbulence	39, 1, 309-318	https://doi.org/10.18280/ijht.390134	Hajipour, A., Lavasani, A.M., Yazdi, M.E. (2021). Investigation of wall function effects on aerodynamic characteristics of turbulent flow around a simplified high-speed train. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 309-318. https://doi.org/10.18280/ijht.390134
688	Yang, B.	Numerical Simulation of Fluid Flow Features of Mechanical Mixer with Automatic Variable Frequency Control	variable frequency control, mechanical mixer, fluid flow features, numerical simulation	39, 1, 319-327	https://doi.org/10.18280/ijht.390135	Yang, B. (2021). Numerical simulation of fluid flow features of mechanical mixer with automatic variable frequency control. <i>International Journal of Heat and Technology</i> , Vol. 39, No. 1, pp. 319-327. https://doi.org/10.18280/ijht.390135
689	Cucumo, M.A., Ferraro, V., Kaliakatos, D., Nicoletti, F., Condò, D.	Thermal behaviour of a solar dish collector with flat mirrors using CFD analysis	performance analysis, solar thermal generator, dish collector, flat mirrors	38, 4, 767-774	https://doi.org/10.18280/ijht.380401	Cucumo, M.A., Ferraro, V., Kaliakatos, D., Nicoletti, F., Condò, D. (2020). Thermal behaviour of a solar dish collector with flat mirrors using CFD analysis. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 767-774. https://doi.org/10.18280/ijht.380401
690	Faraj, A.F., Azzawi, I.D.J., Yahya, S.G.	Pitch variations study on helically coiled pipe in turbulent flow region using CFD	CFD, helical coil, friction factor, Reynolds number, pitch size, turbulent flows	38, 4, 775-784	https://doi.org/10.18280/ijht.380402	Faraj, A.F., Azzawi, I.D.J., Yahya, S.G. (2020). Pitch variations study on helically coiled pipe in turbulent flow region using CFD. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 775-784. https://doi.org/10.18280/ijht.380402
691	Naganthran, K., Zeeshan, A., Basir, M.F.M., Shehzad, N., Nazar, R., Choudhary, R., Balaji, S.	Concentration flux dependent on radiative MHD Casson flow with Arrhenius activation energy: Homotopy analysis method (HAM) with an evolutionary algorithm	Stefan blowing, blood flow, Casson fluid, HAM, Arrhenius activation energy	38, 4, 785-793	https://doi.org/10.18280/ijht.380403	Naganthran, K., Zeeshan, A., Basir, M.F.M., Shehzad, N., Nazar, R., Choudhary, R., Balaji, S. (2020). Concentration flux dependent on radiative MHD Casson flow with Arrhenius activation energy: Homotopy analysis method (HAM) with an evolutionary algorithm. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 785-793. https://doi.org/10.18280/ijht.380403
692	Pierucci, G., Balocco, C., De Lucia, M.	Development of a new heat flux sensor for building applications	heat flux sensor, prototype experimentation, test rig, calibration, thermal properties measurements	38, 4, 794-800	https://doi.org/10.18280/ijht.380404	Pierucci, G., Balocco, C., De Lucia, M. (2020). Development of a new heat flux sensor for building applications. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 794-800. https://doi.org/10.18280/ijht.380404
693	Gao, F., Lv, S., Zhang, C.Y., Zhang, P., Guo, Z.G., Ma, Q.Y., Zhang, X.	Discrete- and finite-element analysis on the tunneling safety of pipe jacking machine in coal rock formation	pipe jacking machine (PJM), tunneling safety, coal rock formation, discrete-element method (DEM)	38, 4, 801-807	https://doi.org/10.18280/ijht.380405	Gao, F., Lv, S., Zhang, C.Y., Zhang, P., Guo, Z.G., Ma, Q.Y., Zhang, X. (2020). Discrete- and finite-element analysis on the tunneling safety of pipe jacking machine in coal rock formation. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 801-807. https://doi.org/10.18280/ijht.380405
694	Ciesielski, M., Siedlecki, J., Janik, M.K.	Mathematical modelling of thermal and electrical processes in the polyp-colon system during electrosurgical polypectomy	electrosurgical polypectomy, Pennes bio-heat transfer model, biological tissue heating, tumor	38, 4, 808-816	https://doi.org/10.18280/ijht.380406	Ciesielski, M., Siedlecki, J., Janik, M.K. (2020). Mathematical modelling of thermal and electrical processes in the polyp-colon system during electrosurgical polypectomy. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 808-816. https://doi.org/10.18280/ijht.380406
695	Mallikarjuna, B., Ramprasad, S., Chakravarthy, Y.S.K.	Multiple slip and inspiration effects on hydromagnetic Casson fluid in a channel with stretchable walls	multiple slips, stretchable walls, Casson fluid, suction/injection, magnetics field	38, 4, 817-826	https://doi.org/10.18280/ijht.380407	Mallikarjuna, B., Ramprasad, S., Chakravarthy, Y.S.K. (2020). Multiple slip and inspiration effects on hydromagnetic Casson fluid in a channel with stretchable walls. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 817-826. https://doi.org/10.18280/ijht.380407
696	Sudarmanta, B., Mahanggi, A.A.K., Yuvenda, D., Soebagyo, H.	Optimization of injection pressure and injection timing on fuel sprays, engine performances and emissions on a developed DI 20C biodiesel engine prototype	biodiesel, performances, emissions, injection pressure, injection timing	38, 4, 827-838	https://doi.org/10.18280/ijht.380408	Sudarmanta, B., Mahanggi, A.A.K., Yuvenda, D., Soebagyo, H. (2020). Optimization of injection pressure and injection timing on fuel sprays, engine performances and emissions on a developed DI 20C biodiesel engine prototype. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 827-838. https://doi.org/10.18280/ijht.380408
697	Li, T., Yao, B.H., Wen, Z.H., Wang, D.K., Zhang, H.T.	Intelligent identification of coal structure for the control of heat-induced gas outburst and energy-efficient mining	type of coal structure, heat-induced gas outburst, intelligent identification, energy-efficient mining	38, 4, 839-846	https://doi.org/10.18280/ijht.380409	Li, T., Yao, B.H., Wen, Z.H., Wang, D.K., Zhang, H.T. (2020). Intelligent identification of coal structure for the control of heat-induced gas outburst and energy-efficient mining. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 839-846. https://doi.org/10.18280/ijht.380409

698	Nourbakhsh, A., Piri, S., Goudarzi, M., Bayareh, M.	Viscosity ratio effect on drop deformation in the boundary layer	droplet, boundary layer, friction coefficient, Reynolds number, nanofluid	38, 4, 847-853	https://doi.org/10.18280/ijht.380410	Nourbakhsh, A., Piri, S., Goudarzi, M., Bayareh, M. (2020). Viscosity ratio effect on drop deformation in the boundary layer. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 847-853. https://doi.org/10.18280/ijht.380410
699	Ahmad, S.N., Prakash, O.	Optimization of earth air tube heat exchanger for cooling application using Taguchi technique	Taguchi, analysis of variance (ANOVA), earth air tube heat exchanger, optimisation, ground heat exchanger length, overall heat transfer coefficient	38, 4, 854-862	https://doi.org/10.18280/ijht.380411	Ahmad, S.N., Prakash, O. (2020). Optimization of earth air tube heat exchanger for cooling application using Taguchi technique. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 854-862. https://doi.org/10.18280/ijht.380411
700	Pasha, K.M.K., El-Fawal, M.M.	Investigating the economical performance of four suggested designs for the heat exchangers	heat exchanger, energy economy, Nusselt, pressure losses, passage pattern	38, 4, 863-870	https://doi.org/10.18280/ijht.380412	Pasha, K.M.K., El-Fawal, M.M. (2020). Investigating the economical performance of four suggested designs for the heat exchangers. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 863-870. https://doi.org/10.18280/ijht.380412
701	Luo, Y.H., Yang, X.W., Jiang, P.	Numerical and experimental analyses on root zone temperature in aeroponic cultivation box	aeroponic cultivation, root zone temperature, numerical simulation, computational fluid dynamics (CFD)	38, 4, 871-879	https://doi.org/10.18280/ijht.380413	Luo, Y.H., Yang, X.W., Jiang, P. (2020). Numerical and experimental analyses on root zone temperature in aeroponic cultivation box. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 871-879. https://doi.org/10.18280/ijht.380413
702	Tahsini, A.M.	Proton exchange membrane fuel cells: Geometric scaling and similarity conditions	geometric scaling, numerical simulation, PEM fuel cell, polarization curve, similarity condition	38, 4, 880-886	https://doi.org/10.18280/ijht.380414	Tahsini, A.M. (2020). Proton exchange membrane fuel cells: Geometric scaling and similarity conditions. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 880-886. https://doi.org/10.18280/ijht.380414
703	Badiger, S., Katti, V.V., Tumkur, A.R.	Heat transfer characteristics of a coaxial inverse diffusion flame jet impingement with an induced swirl	coaxial tube burner, distribution of heat flux, inverse diffusion flame, twisted tape, thermal imager	38, 4, 887-894	https://doi.org/10.18280/ijht.380415	Badiger, S., Katti, V.V., Tumkur, A.R. (2020). Heat transfer characteristics of a coaxial inverse diffusion flame jet impingement with an induced swirl. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 887-894. https://doi.org/10.18280/ijht.380415
704	Pandiaraj, S., Ayyasamy, T., Govindasamy, K.	Heat transfer augmentation using water-in-glass evacuated tube coupled with parabolic trough in rack dryer in the drying of capsicum frutescens	solar rack dryer, capsicum frutescens, evacuated tube, passive heating, exergy	38, 4, 895-902	https://doi.org/10.18280/ijht.380416	Pandiaraj, S., Ayyasamy, T., Govindasamy, K. (2020). Heat transfer augmentation using water-in-glass evacuated tube coupled with parabolic trough in rack dryer in the drying of capsicum frutescens. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 895-902. https://doi.org/10.18280/ijht.380416
705	Guo, A., Liu, Z.R.	A new method for energy efficiency design of building facade and its thermodynamic evaluation	building facade, energy efficiency design, thermodynamic evaluation	38, 4, 903-913	https://doi.org/10.18280/ijht.380417	Guo, A., Liu, Z.R. (2020). A new method for energy efficiency design of building facade and its thermodynamic evaluation. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 903-913. https://doi.org/10.18280/ijht.380417
706	Moosavi, R., Golabi, M.	Optimization of the exhibition building form based on the solar energy absorption	energy optimization, exhibition, building form, cold & mountain climate, hot & dry climate, solar energy	38, 4, 914-924	https://doi.org/10.18280/ijht.380418	Moosavi, R., Golabi, M. (2020). Optimization of the exhibition building form based on the solar energy absorption. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 914-924. https://doi.org/10.18280/ijht.380418
707	Abdulrahman, R.S., Ibrahim, F.A., Faisal, S.H.	Numerical study of heat transfer and exergy analysis of shell and double tube heat exchanger	double tube heat exchanger, baffles, turbulent flow, exergy analysis, CFD	38, 4, 925-932	https://doi.org/10.18280/ijht.380419	Abdulrahman, R.S., Ibrahim, F.A., Faisal, S.H. (2020). Numerical study of heat transfer and exergy analysis of shell and double tube heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 925-932. https://doi.org/10.18280/ijht.380419
708	Wang, Y., Man, Z.S., Lu, M.H.	Prediction of energy-efficient production of coalbed methane based on chaotic time series and Bayes-least squares-support vector machine	chaotic time series, phase space reconstruction, Bayes-least squares-support vector machine (Bayes-LS-SVM), energy-efficient productivity of coalbed methane (CBM)	38, 4, 933-940	https://doi.org/10.18280/ijht.380420	Wang, Y., Man, Z.S., Lu, M.H. (2020). Prediction of energy-efficient production of coalbed methane based on chaotic time series and Bayes-least squares-support vector machine. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 933-940. https://doi.org/10.18280/ijht.380420
709	Elgandelwar, A.M., Jha, R.S., Lele, M.M.	Steady state two-phase flow analysis of natural circulation in hybrid boiler	natural circulation, two-phase flow, flow distribution, pressure drop, void fraction, circulation ratio, hybrid boiler	38, 4, 941-948	https://doi.org/10.18280/ijht.380421	Elgandelwar, A.M., Jha, R.S., Lele, M.M. (2020). Steady state two-phase flow analysis of natural circulation in hybrid boiler. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 941-948. https://doi.org/10.18280/ijht.380421
710	Nagisetty, B.G., Venkata, S.H.P.	Sequential procedure for improving the efficiency of CI engine by using artificial neural networks	neural networks, MATLAB, Emissions, CI Engines, inlet manifolds	38, 4, 949-959	https://doi.org/10.18280/ijht.380422	Nagisetty, B.G., Venkata, S.H.P. (2020). Sequential procedure for improving the efficiency of CI engine by using artificial neural networks. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 949-959. https://doi.org/10.18280/ijht.380422
711	Boumaraf, L., Khadraoui, R.	Investigation on the performance of a solar hybrid refrigeration system using environmentally friendly fluids	hybrid refrigeration cycle, ejector, solar energy, environmentally friendly fluids, modeling	38, 4, 960-966	https://doi.org/10.18280/ijht.380423	Boumaraf, L., Khadraoui, R. (2020). Investigation on the performance of a solar hybrid refrigeration system using environmentally friendly fluids. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 960-966. https://doi.org/10.18280/ijht.380423
712	Ni, N.	Thermodynamic features and design of solar-air source composite heating system	solar heating, air source heat pump (ASHP), thermodynamic feature analysis, composite heating system design	38, 4, 967-975	https://doi.org/10.18280/ijht.380424	Ni, N. (2020). Thermodynamic features and design of solar-air source composite heating system. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 4, pp. 967-975. https://doi.org/10.18280/ijht.380424
713	Mutani, G., Todeschi, V., Pastorelli, M.	Thermal-electrical analogy for dynamic urban-scale energy modeling	building energy balance, hourly model, residential buildings, urban scale, urban variables, thermal-electrical analogy, place-based analysis	38, 3, 571-582	https://doi.org/10.18280/ijht.380301	Mutani, G., Todeschi, V., Pastorelli, M. (2020). Thermal-electrical analogy for dynamic urban-scale energy modeling. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 571-582. https://doi.org/10.18280/ijht.380301
714	Campagnoli, E., Giaretto, V.	Experimental investigation on thermal conductivity and thermal diffusivity of water-agar gel from room temperature to -60°C	water-agar gel, experimental investigation, thermal conductivity, thermal diffusivity, cryoablation	38, 3, 583-589	https://doi.org/10.18280/ijht.380302	Campagnoli, E., Giaretto, V. (2020). Experimental investigation on thermal conductivity and thermal diffusivity of water-agar gel from room temperature to -60°C. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 583-589. https://doi.org/10.18280/ijht.380302

715	Ferraro, V., Marinelli, V., Settino, J., Nicoletti, F.	Techno-economic analysis of a solar tower power plant with an open air Brayton cycle and a combined cycle - a simplified calculation method	combined cycle, open air Brayton cycle, solar tower plants, thermodynamic performance, economic analysis, leveled cost of electricity	38, 3, 590-600	https://doi.org/10.18280/ijht.380303	Ferraro, V., Marinelli, V., Settino, J., Nicoletti, F. (2020). Techno-economic analysis of a solar tower power plant with an open air Brayton cycle and a combined cycle - a simplified calculation method. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 590-600. https://doi.org/10.18280/ijht.380303
716	Chitsazan, A., Glasmacher, B.	Numerical investigation of heat transfer and pressure force from multiple jets impinging on a moving flat surface	jet impingement, heat transfer, pressure force, multiple rows, jet angle, surface motion	38, 3, 601-610	https://doi.org/10.18280/ijht.380304	Chitsazan, A., Glasmacher, B. (2020). Numerical investigation of heat transfer and pressure force from multiple jets impinging on a moving flat surface. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 601-610. https://doi.org/10.18280/ijht.380304
717	Palaniappan, G., Murugan, M., Al-Mdallal, Q.M., Abdalla, B., Doh, D.H.	Numerical investigation of open cavities with parallel insulated baffles	heat transfer, ventilation cavity, finite difference method, parallel baffles, convection	38, 3, 611-621	https://doi.org/10.18280/ijht.380305	Palaniappan, G., Murugan, M., Al-Mdallal, Q.M., Abdalla, B., Doh, D.H. (2020). Numerical investigation of open cavities with parallel insulated baffles. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 611-621. https://doi.org/10.18280/ijht.380305
718	Dubrovsky, V.V., Shraiber, A.A.	Heat exchange between air and a liquid film flowing down along a profiled surface	profiled surface, spherical dimples, heat exchange, relative velocity, degree of cooling	38, 3, 622-628	https://doi.org/10.18280/ijht.380306	Dubrovsky, V.V., Shraiber, A.A. (2020). Heat exchange between air and a liquid film flowing down along a profiled surface. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 622-628. https://doi.org/10.18280/ijht.380306
719	Majhool, A.A.A.K., Jasim, N.M.	Prediction of the initial drop size and velocity distribution in the cold cryogenic spray	spray modeling, liquid cryogenic spray, probability density function, maximum entropy method, droplet velocity	38, 3, 629-640	https://doi.org/10.18280/ijht.380307	Majhool, A.A.A.K., Jasim, N.M. (2020). Prediction of the initial drop size and velocity distribution in the cold cryogenic spray. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 629-640. https://doi.org/10.18280/ijht.380307
720	Pannucharoewong, N., Rattanadecho, P., Echaroj, S., Hemathulin, S., Nabudda, K.	The investigation of heat absorber on the efficiency of slanted double-slope solar distillation unit	distillation rate, solar-base technology, heat absorber, black gasket	38, 3, 641-649	https://doi.org/10.18280/ijht.380308	Pannucharoewong, N., Rattanadecho, P., Echaroj, S., Hemathulin, S., Nabudda, K. (2020). The investigation of heat absorber on the efficiency of slanted double-slope solar distillation unit. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 641-649. https://doi.org/10.18280/ijht.380308
721	Guan, Y., Li, M.H., Cui, H.J.	Numerical simulation and field synergy analysis of IGBT air-cooled heat exchanger for EMUs	air-cooled heat exchanger (ACHE), CFD, turbulent kinetic energy, field synergy	38, 3, 650-658	https://doi.org/10.18280/ijht.380309	Guan, Y., Li, M.H., Cui, H.J. (2020). Numerical simulation and field synergy analysis of IGBT air-cooled heat exchanger for EMUs. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 650-658. https://doi.org/10.18280/ijht.380309
722	Krzemińska, S., Greszta, A., Miśkiewicz, P.	Characterization of heat protective aerogel-enhanced textile packages	aerogel, employee protection in the work environment, exposure to contact heat, exposure to convective heat, exposure to radiant heat, thermal conductivity, thermal resistance, insulating package, protective clothing	38, 3, 659-672	https://doi.org/10.18280/ijht.380310	Krzemińska, S., Greszta, A., Miśkiewicz, P. (2020). Characterization of heat protective aerogel-enhanced textile packages. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 659-672. https://doi.org/10.18280/ijht.380310
723	Tirmizi, S.T., Tirmizi, S.R.U.H., Tirmizi, S.A.	Mid-FTIR and atomic absorption spectroscopy based evaluation of oxidation tendencies of lubricating oils for effective oil and gas operations	atom absorption spectroscopy (ASS), corrosion, FTIR (Fourier Transform Infrared Ray), spectroscopy, thermal degradation	38, 3, 673-681	https://doi.org/10.18280/ijht.380311	Tirmizi, S.T., Tirmizi, S.R.U.H., Tirmizi, S.A. (2020). Mid-FTIR and atomic absorption spectroscopy based evaluation of oxidation tendencies of lubricating oils for effective oil and gas operations. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 673-681. https://doi.org/10.18280/ijht.380311
724	Rashed, A., Nasr, E.H., Kassem, M.M.	Boundary layer analysis adjacent to moving heated plate inside electrically conducting fluid with heat source/sink	electrically conducting fluids, group method, magnetic parameter, Prandtl number	38, 3, 682-688	https://doi.org/10.18280/ijht.380312	Rashed, A., Nasr, E.H., Kassem, M.M. (2020). Boundary layer analysis adjacent to moving heated plate inside electrically conducting fluid with heat source/sink. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 682-688. https://doi.org/10.18280/ijht.380312
725	Gharami, P.P., Arifuzzaman, S.M., Reza-E-Rabbi, S., Shakhaoath Khan, M., Ahmmed, S.F.	Analytical and numerical solution of viscous fluid flow with the effects of thermal radiation and chemical reaction past a vertical porous surface	permeability, perturbation, EFD, nanoparticles, radiation absorption, chemical reaction, thermal radiation, stability and convergence test	38, 3, 689-700	https://doi.org/10.18280/ijht.380313	Gharami, P.P., Arifuzzaman, S.M., Reza-E-Rabbi, S., Shakhaoath Khan, M., Ahmmed, S.F. (2020). Analytical and numerical solution of viscous fluid flow with the effects of thermal radiation and chemical reaction past a vertical porous surface. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 689-700. https://doi.org/10.18280/ijht.380313
726	Chen, J.D., Wang, D.J., Zhang, Z.Q., Liu, J.	Reasonable pumping depth for drainage and gas recovery of shale gas wells	shale gas well, inflow curve, outflow curve, critical liquid-carrying flow, setting depth of the pump	38, 3, 701-707	https://doi.org/10.18280/ijht.380314	Chen, J.D., Wang, D.J., Zhang, Z.Q., Liu, J. (2020). Reasonable pumping depth for drainage and gas recovery of shale gas wells. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 701-707. https://doi.org/10.18280/ijht.380314
727	Bhat, P., Katte, S.S.	Entropy analysis of a simple rectangular radiating fin for space applications	radiating fin, entropy analysis, space radiator	38, 3, 708-714	https://doi.org/10.18280/ijht.380315	Bhat, P., Katte, S.S. (2020). Entropy analysis of a simple rectangular radiating fin for space applications. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 708-714. https://doi.org/10.18280/ijht.380315
728	Dhiaa, A.H., Salih, M.A., Al-Yousefi, H.A.	Effect of ZnO nanoparticles on the thermo-physical properties and heat transfer of nano-fluid flows	nanofluid, heat transfer, Nusselt number, ZnO nanoparticles, flow rate, thermal conductivity, viscosity	38, 3, 715-721	https://doi.org/10.18280/ijht.380316	Dhiaa, A.H., Salih, M.A., Al-Yousefi, H.A. (2020). Effect of ZnO nanoparticles on the thermo-physical properties and heat transfer of nano-fluid flows. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 715-721. https://doi.org/10.18280/ijht.380316
729	Horimek, A., Nekag, E.	Natural convection cooling of a heat source placed at the bottom of a square cavity	natural convection, square cavity, heat source, source length, source position, Prandtl number	38, 3, 722-737	https://doi.org/10.18280/ijht.380317	Horimek, A., Nekag, E. (2020). Natural convection cooling of a heat source placed at the bottom of a square cavity. Effect of source length, position, thermal condition and Prandtl number. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 722-737. https://doi.org/10.18280/ijht.380317
730	Ramanuja, M., Krishna, G.G., Sree, H.K., Radhika, V.N.	Free convection in a vertical slit micro-channel with super-hydrophobic slip and temperature jump conditions	MHD, heat transfer, superhydrophobic slip, porous medium	38, 3, 738-744	https://doi.org/10.18280/ijht.380318	Ramanuja, M., Krishna, G.G., Sree, H.K., Radhika, V.N. (2020). Free convection in a vertical slit micro-channel with super-hydrophobic slip and temperature jump conditions. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 738-744. https://doi.org/10.18280/ijht.380318
731	Ozturk, S.	A numerical investigation on emissions of partially premixed shale gas combustion	adiabatic, combustion, emissions, partially premixed, turbulent, shale gas	38, 3, 745-751	https://doi.org/10.18280/ijht.380319	Ozturk, S. (2020). A numerical investigation on emissions of partially premixed shale gas combustion. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 745-751. https://doi.org/10.18280/ijht.380319

732	Lebbal, C., Bougoul, S., Zeroual, S.	Simulation of natural ventilation inside tunnel greenhouse	airflow, temperature, turbulence, ventilation, CFD, tunnel greenhouse	38, 3, 752-757	https://doi.org/10.18280/ijht.380320	Lebbal, C., Bougoul, S., Zeroual, S. (2020). Simulation of natural ventilation inside tunnel greenhouse. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 752-757. https://doi.org/10.18280/ijht.380320
733	Jin, X.H., Zhang, L.B., Li, X.Y., Zhu, C.X.	Structural features and smoke resistance of water mist curtain of upper spray nozzle	super-long tunnel, water mist system, upward sprinkler head, smoke exhaust system, smoke suppression performance, ceiling distance	38, 3, 758-766	https://doi.org/10.18280/ijht.380321	Jin, X.H., Zhang, L.B., Li, X.Y., Zhu, C.X. (2020). Structural features and smoke resistance of water mist curtain of upper spray nozzle. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 3, pp. 758-766. https://doi.org/10.18280/ijht.380321
734	Enayati, H.	Effect of reactor size in a laterally-heated cylindrical reactor	fluid flows, LES simulations, crystal growth, natural convection, 3D cylindrical reactor, CFD, Buoyancy	38, 2, 275-284	https://doi.org/10.18280/ijht.380201	Enayati, H. (2020). Effect of reactor size in a laterally-heated cylindrical reactor. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 275-284. https://doi.org/10.18280/ijht.380201
735	Gheraout, B., Bouabdallah, S., Attia, M.E.H., Arici, M., Driss, Z.	Parametric study of the airflow structure in a solar chimney	convection, solar chimney, geometrical parameters, solar tower, solar collector	38, 2, 285-292	https://doi.org/10.18280/ijht.380202	Gheraout, B., Bouabdallah, S., Attia, M.E.H., Arici, M., Driss, Z. (2020). Parametric study of the airflow structure in a solar chimney. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 285-292. https://doi.org/10.18280/ijht.380202
736	Liu, Q.Z., Tong, B.B., Li, D.L., Lu, Y., Fu, Y.H., Chen, L., Zhao, K.Y.	An integrated energy service transaction model based on energy blockchain	energy blockchain, integrated energy service, electricity transaction, consensus mechanism, smart contract	38, 2, 293-300	https://doi.org/10.18280/ijht.380203	Liu, Q.Z., Tong, B.B., Li, D.L., Lu, Y., Fu, Y.H., Chen, L., Zhao, K.Y. (2020). An integrated energy service transaction model based on energy blockchain. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 293-300. https://doi.org/10.18280/ijht.380203
737	Sundar, L.S., Abebaw, H.M., Singh, M.K., Pereira, A.M.B., Sousa, A.C.M.	Experimental heat transfer and friction factor of Fe ₃ O ₄ magnetic nanofluids flow in a tube under laminar flow at high Prandtl numbers	heat transfer enhancement, friction factor, laminar flow, high Prandtl number, magnetic nanofluid	38, 2, 301-313	https://doi.org/10.18280/ijht.380204	Sundar, L.S., Abebaw, H.M., Singh, M.K., Pereira, A.M.B., Sousa, A.C.M. (2020). Experimental heat transfer and friction factor of Fe ₃ O ₄ magnetic nanofluids flow in a tube under laminar flow at high Prandtl numbers. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 301-313. https://doi.org/10.18280/ijht.380204
738	Rubbi, F., Habib, K., Tusar, M., Das, L., Rahman, M.T.	Numerical study of heat transfer enhancement of turbulent flow using twisted tape insert fitted with hemispherical extruded surface	hemispherical extruded surface, twisted tape, turbulent flow, friction factor, thermal performance factor	38, 2, 314-320	https://doi.org/10.18280/ijht.380205	Rubbi, F., Habib, K., Tusar, M., Das, L., Rahman, M.T. (2020). Numerical study of heat transfer enhancement of turbulent flow using twisted tape insert fitted with hemispherical extruded surface. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 314-320. https://doi.org/10.18280/ijht.380205
739	Liu, C., Zhao, H.B., Liu, H.W.	Development of an experimental platform for multi-source complementary heat pump heating system	solar energy, air-source heat pump, combined heating, experimental platform, measurement and control	38, 2, 321-326	https://doi.org/10.18280/ijht.380206	Liu, C., Zhao, H.B., Liu, H.W. (2020). Development of an experimental platform for multi-source complementary heat pump heating system. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 321-326. https://doi.org/10.18280/ijht.380206
740	El Amraoui, A., Cheddadi, A., Ouazzani, M.T.	Effect of fin height and Rayleigh number with small increments on convective heat transfer in a horizontal annulus	natural convection, fins, heat transfer, effectiveness, horizontal annulus	38, 2, 327-333	https://doi.org/10.18280/ijht.380207	El Amraoui, A., Cheddadi, A., Ouazzani, M.T. (2020). Effect of fin height and Rayleigh number with small increments on convective heat transfer in a horizontal annulus. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 327-333. https://doi.org/10.18280/ijht.380207
741	Bouafia, I., Mehdaoui, R., Kadri, S., Elmir, M.	Natural convection in a porous cavity filled with nanofluid in the presence of isothermal corrugated source	natural convection, nanofluid, porous medium, corrugated source, finite elements method	38, 2, 334-342	https://doi.org/10.18280/ijht.380208	Bouafia, I., Mehdaoui, R., Kadri, S., Elmir, M. (2020). Natural convection in a porous cavity filled with nanofluid in the presence of isothermal corrugated source. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 334-342. https://doi.org/10.18280/ijht.380208
742	Zhang, Z.H., Liu, H., Li, J., Huo, R.J., Yu, C., Wang, J.H., Yu, Z.Q.	Performance of jet pulse assembly with a throttle plate in a fluidic oscillator	fluidic oscillator, jet pulse assembly, structure optimization, pulse amplitude, field test	38, 2, 343-350	https://doi.org/10.18280/ijht.380209	Zhang, Z.H., Liu, H., Li, J., Huo, R.J., Yu, C., Wang, J.H., Yu, Z.Q. (2020). Performance of jet pulse assembly with a throttle plate in a fluidic oscillator. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 343-350. https://doi.org/10.18280/ijht.380209
743	Akinbo, B.J., Olajuwon, B.I.	Thermal and thermo diffusion effects on the heat and mass transfer in a viscous fluid over an exponential stretching surface in the presence of heat absorption	similarity variable, magnetic field, heat absorption, heat and mass transfer, homotopy analysis method (HAM)	38, 2, 351-360	https://doi.org/10.18280/ijht.380210	Akinbo, B.J., Olajuwon, B.I. (2020). Thermal and thermo diffusion effects on the heat and mass transfer in a viscous fluid over an exponential stretching surface in the presence of heat absorption. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 351-360. https://doi.org/10.18280/ijht.380210
744	Pongpakpien, S., Preechaphonkul, W., Rattanadecho, P.	Effects of thermal and electrical properties on porous liver during microwave ablation using microwave coaxial slot antenna	hyperthermia, microwave ablation, porous liver, thermal conductivity, electrical conductivity	38, 2, 361-370	https://doi.org/10.18280/ijht.380211	Pongpakpien, S., Preechaphonkul, W., Rattanadecho, P. (2020). Effects of thermal and electrical properties on porous liver during microwave ablation using microwave coaxial slot antenna. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 361-370. https://doi.org/10.18280/ijht.380211
745	Yang, G.L.	Simulation of the dynamic characteristics of high-speed waterjet using SIMULINK	waterjet cutting machine (WCM), pressurization system, dynamic characteristics, simulation, SIMULINK	38, 2, 371-376	https://doi.org/10.18280/ijht.380212	Yang, G.L. (2020). Simulation of the dynamic characteristics of high-speed waterjet using SIMULINK. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 371-376. https://doi.org/10.18280/ijht.380212
746	Davoudi, A., Niazi, S., Bakhsan, Y., Khorshidi, J.	Magnetohydrodynamic flow and heat transfer of TiO ₂ -H ₂ O nanofluid over nonlinear stretching sheet under the effects of nanoparticle diameter	TiO ₂ -H ₂ O nanofluid, MHD flow, heat transfer, nonlinear stretching sheet, Optimal Homotopy Asymptotic Method	38, 2, 377-385	https://doi.org/10.18280/ijht.380213	Davoudi, A., Niazi, S., Bakhsan, Y., Khorshidi, J. (2020). Magnetohydrodynamic flow and heat transfer of TiO ₂ -H ₂ O nanofluid over nonlinear stretching sheet under the effects of nanoparticle diameter. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 377-385. https://doi.org/10.18280/ijht.380213
747	Domakonda, V.K., Shaik, F.	Natural convection characteristics of copper-water nano fluid with two heat sources at the bottom surface in a square enclosure-a numerical study	Nusselt number, nanofluid, Rayleigh number, nanoparticles volume fraction	38, 2, 386-394	https://doi.org/10.18280/ijht.380214	Domakonda, V.K., Shaik, F. (2020). Natural convection characteristics of copper-water nano fluid with two heat sources at the bottom surface in a square enclosure-a numerical study. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 386-394. https://doi.org/10.18280/ijht.380214
748	Ahmad, S., Ashraf, M., Ali, K.	Heat and mass transfer flow of gyrotactic microorganisms and nanoparticles through a porous medium	nanofluids, gyrotactic microbes, heat generation, chemical reaction, porous media	38, 2, 395-402	https://doi.org/10.18280/ijht.380215	Ahmad, S., Ashraf, M., Ali, K. (2020). Heat and mass transfer flow of gyrotactic microorganisms and nanoparticles through a porous medium. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 395-402. https://doi.org/10.18280/ijht.380215

749	Majdi, H.S., Abdulkadhim, A., Abed, A.M.	Computational fluid dynamics investigation of buoyancy driven flow between circular body and wavy enclosure filled with nanofluid/porous medium	natural convection, wavy enclosure, nanofluid, porous, undulation number, position, Rayleigh number	38, 2, 403-417	https://doi.org/10.18280/ijht.380216	Majdi, H.S., Abdulkadhim, A., Abed, A.M. (2020). Computational fluid dynamics investigation of buoyancy driven flow between circular body and wavy enclosure filled with nanofluid/porous medium. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 403-417. https://doi.org/10.18280/ijht.380216
750	Wang, J.L., Guo, H., Li, H.M., Dun, C.Y., Sun, J.H.	Wind-induced dynamic failure mechanism and equivalent static wind load of single-layer latticed barrel vaults	latticed barrel vault structure, wind load, critical load coefficient, equivalent static wind load (ESWL), dynamic failure mode	38, 2, 418-424	https://doi.org/10.18280/ijht.380217	Wang, J.L., Guo, H., Li, H.M., Dun, C.Y., Sun, J.H. (2020). Wind-induced dynamic failure mechanism and equivalent static wind load of single-layer latticed barrel vaults. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 418-424. https://doi.org/10.18280/ijht.380217
751	Camaraza-Medina, Y., Sánchez-Escalona, A.A., Retirado-Mediaceja, Y., Garcia-Morales, O.F.	Use of air cooled condenser in biomass power plants: A case study in Cuba	cost of life cycle, level cost, sugar industry, power plant, IRR, NPV	38, 2, 425-431	https://doi.org/10.18280/ijht.380218	Camaraza-Medina, Y., Sánchez-Escalona, A.A., Retirado-Mediaceja, Y., Garcia-Morales, O.F. (2020). Use of air cooled condenser in biomass power plants: A case study in Cuba. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 425-431. https://doi.org/10.18280/ijht.380218
752	Shaban, N.A., Nasser, I., Al Asfar, J., Al-Qawabah, S., Olimat, A.N.	Thermodynamic and economic analysis of a refrigerator display cabinet equipped with a DC compressor and electronic expansion valve	thermodynamics, VRF, DC compressor, electronic expansion valve, refrigerator	38, 2, 432-438	https://doi.org/10.18280/ijht.380219	Shaban, N.A., Nasser, I., Al Asfar, J., Al-Qawabah, S., Olimat, A.N. (2020). Thermodynamic and economic analysis of a refrigerator display cabinet equipped with a DC compressor and electronic expansion valve. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 432-438. https://doi.org/10.18280/ijht.380219
753	Rudiyanto, B., Raga, T.A., Prasetyo, T., Rahmanto, D.E., Nuruddin, M., Pambudi, N.A., Wibowo, K.M.	Analysis heat exchanger network steam power plant in using pinch (case study in PT POMI unit 3 power plant paiton)	analysis of efficiency, pinch analysis, heat exchanger network	38, 2, 439-446	https://doi.org/10.18280/ijht.380220	Rudiyanto, B., Raga, T.A., Prasetyo, T., Rahmanto, D.E., Nuruddin, M., Pambudi, N.A., Wibowo, K.M. (2020). Analysis heat exchanger network steam power plant in using pinch (case study in PT POMI unit 3 power plant paiton). <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 439-446. https://doi.org/10.18280/ijht.380220
754	Faraj, A.F., Azzawi, I.D.J., Yahya, S.G.	Investigate the effect of pitch variations on helically coiled pipe for laminar flow region using CFD	CFD, helical coil, friction factor, Reynolds number, pitch size	38, 2, 447-456	https://doi.org/10.18280/ijht.380221	Faraj, A.F., Azzawi, I.D.J., Yahya, S.G. (2020). Investigate the effect of pitch variations on helically coiled pipe for laminar flow region using CFD. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 447-456. https://doi.org/10.18280/ijht.380221
755	Cao, Y.C., Yang, J., Li, J.W.	Energy-saving research on residential gas heating system in cold area based on system dynamics	system dynamics, wall-hung boiler, heating, energy saving	38, 2, 457-462	https://doi.org/10.18280/ijht.380222	Cao, Y.C., Yang, J., Li, J.W. (2020). Energy-saving research on residential gas heating system in cold area based on system dynamics. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 457-462. https://doi.org/10.18280/ijht.380222
756	Arif, M.R., Hasan, N.	Effect of thermal buoyancy on vortex-shedding and aerodynamic characteristics for fluid flow past an inclined square cylinder	vortex shedding, convection, inclined square cylinder, buoyancy, critical, Richardson number	38, 2, 463-471	https://doi.org/10.18280/ijht.380223	Arif, M.R., Hasan, N. (2020). Effect of thermal buoyancy on vortex-shedding and aerodynamic characteristics for fluid flow past an inclined square cylinder. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 463-471. https://doi.org/10.18280/ijht.380223
757	Majdi, H.S., Ali, F.A.M.A., Habeeb, L.J.	The rooms air conditioning by cooling the conventional water tank using hot summer air and solar energy	evaporative cooling, heat and mass transfer, house water tanks, test room	38, 2, 472-478	https://doi.org/10.18280/ijht.380224	Majdi, H.S., Ali, F.A.M.A., Habeeb, L.J. (2020). The rooms air conditioning by cooling the conventional water tank using hot summer air and solar energy. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 472-478. https://doi.org/10.18280/ijht.380224
758	Peng, X.Y., Jiang, H.D.	Drilling fluid formula and performance for slow angle wireline core drilling	drilling fluid, formula, admixture, rheology, low-solid phase, no-solid phase	38, 2, 479-486	https://doi.org/10.18280/ijht.380225	Peng, X.Y., Jiang, H.D. (2020). Drilling fluid formula and performance for slow angle wireline core drilling. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 479-486. https://doi.org/10.18280/ijht.380225
759	Tayeb, M., Bouaziz, M.N.	Deep investigation on natural convection flow of a couple stress fluid with nanoparticles in an MHD vertical porous channel with convective boundary conditions	couple stress fluid, nanoparticle, MHD, natural convection, Soret and Dufour effects, heat and mass transfer	38, 2, 487-498	https://doi.org/10.18280/ijht.380226	Tayeb, M., Bouaziz, M.N. (2020). Deep investigation on natural convection flow of a couple stress fluid with nanoparticles in an MHD vertical porous channel with convective boundary conditions. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 487-498. https://doi.org/10.18280/ijht.380226
760	Zhao, Q.M., Chen, S., Sun, H., Wang, Y.	Blast load on honeycomb rigid wall	honeycomb-section, blast load prediction, blast experiment, numerical simulation	38, 2, 499-506	https://doi.org/10.18280/ijht.380227	Zhao, Q.M., Chen, S., Sun, H., Wang, Y. (2020). Blast load on honeycomb rigid wall. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 499-506. https://doi.org/10.18280/ijht.380227
761	Bayareh, M., Afshar, N.	Study of laminar convection heat transfer of non-Newtonian nanofluids in a tube under constant heat flux using new power-law relation	convection heat transfer, non-Newtonian fluids, power-law relation, tube	38, 2, 507-515	https://doi.org/10.18280/ijht.380228	Bayareh, M., Afshar, N. (2020). Study of laminar convection heat transfer of non-Newtonian nanofluids in a tube under constant heat flux using new power-law relation. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 507-515. https://doi.org/10.18280/ijht.380228
762	Pannucharoengwong, N., Rattanadecho, P., Echaroj, S., Hemathulin, S., Nabudda, K.	The investigation of heat absorber on the efficiency of slanted double-slope solar distillation unit	distillation rate, solar-base technology, heat absorber, black gasket	38, 2, 516-524	https://doi.org/10.18280/ijht.380229	Pannucharoengwong, N., Rattanadecho, P., Echaroj, S., Hemathulin, S., Nabudda, K. (2020). The investigation of heat absorber on the efficiency of slanted double-slope solar distillation unit. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 516-524. https://doi.org/10.18280/ijht.380229
763	Benzitouni, M., Nemouchi, Z., Boulahlib, M.S.	Numerical study of a flow through a grid placed in a Bunsen burner	grid-generated turbulence, isothermal flow, turbulence intensity, multi-jet, perforated plate, numerical simulation	38, 2, 525-532	https://doi.org/10.18280/ijht.380230	Benzitouni, M., Nemouchi, Z., Boulahlib, M.S. (2020). Numerical study of a flow through a grid placed in a Bunsen burner. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 525-532. https://doi.org/10.18280/ijht.380230
764	Ba, J.J., Tu, S.Y., Zhang, Q.Y., Tang, C.L.	Hydrochemical and isotopic characteristics of Ruidian geothermal field in Yunnan, China	geothermal field, hydro-chemical features isotopic features, water-rock interaction	38, 2, 533-540	https://doi.org/10.18280/ijht.380231	Ba, J.J., Tu, S.Y., Zhang, Q.Y., Tang, C.L. (2020). Hydrochemical and isotopic characteristics of Ruidian geothermal field in Yunnan, China. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 533-540. https://doi.org/10.18280/ijht.380231
765	Dewangan, S.K., Kumar, D.K.	Numerical modeling of fluid flow and heat transfer through helical tube	food preservation, food processing, helical tube heating, microwave heating, CFD	38, 2, 541-552	https://doi.org/10.18280/ijht.380232	Dewangan, S.K., Kumar, D.K. (2020). Numerical modeling of fluid flow and heat transfer through helical tube. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 541-552. https://doi.org/10.18280/ijht.380232

766	Abass, A., Dahham, R.Y., Alkafaji, D.	Annulus cold film flow characteristics of can combustor with liner temperature rising	annulus airflow, velocity profile and rising temperatures of liner wall, gas turbine combustor	38, 2, 553-561	https://doi.org/10.18280/ijht.380233	Abass, A., Dahham, R.Y., Alkafaji, D. (2020). Annulus cold film flow characteristics of can combustor with liner temperature rising. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 553-561. https://doi.org/10.18280/ijht.380233
767	Li, B.X., Fan, R., Tang, J., Qiu, J.H., Wang, Y.Y.	A hybrid quality control strategy for consumption data on petroleum, oil and lubricants by oil equipment	SPSS, oil equipment, petroleum, oil and lubricants (POL), quality control	38, 2, 562-568	https://doi.org/10.18280/ijht.380234	Li, B.X., Fan, R., Tang, J., Qiu, J.H., Wang, Y.Y. (2020). A hybrid quality control strategy for consumption data on petroleum, oil and lubricants by oil equipment. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 2, pp. 562-568. https://doi.org/10.18280/ijht.380234
768	Caetano, N.R., Lorenzini, G., Lhamby, A.R., Guillet, V.M.M., Klunk, M.A., Rocha, L.A.O.	Experimental assessment of thermal radiation behavior emitted by solid porous material	radiant fraction, porous burner, porosity, equivalence relation	38, 1, 1-8	https://doi.org/10.18280/ijht.380101	Caetano, N.R., Lorenzini, G., Lhamby, A.R., Guillet, V.M.M., Klunk, M.A., Rocha, L.A.O. (2020). Experimental assessment of thermal radiation behavior emitted by solid porous material. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 1-8. https://doi.org/10.18280/ijht.380101
769	Regue, H.M., Bouali, B., Benchatti, A.	Numerical simulation of conjugate heat transfer in a PTC with secondary reflector	solar thermal energy, solar parabolic trough collector, secondary reflectors, receiver tube, conjugate heat transfer simulation	38, 1, 9-16	https://doi.org/10.18280/ijht.380102	Regue, H.M., Bouali, B., Benchatti, A. (2020). Numerical simulation of conjugate heat transfer in a PTC with secondary reflector. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 9-16. https://doi.org/10.18280/ijht.380102
770	Selicati, V., Cardinale, N., Dassisti, M.	Evaluation of the sustainability of energy retrofit interventions on the historical heritage: A case study in the city of Matera, Italy	energy retrofit, impact assessment, life cycle assessment, sustainability, historical buildings	38, 1, 17-27	https://doi.org/10.18280/ijht.380103	Selicati, V., Cardinale, N., Dassisti, M. (2020). Evaluation of the sustainability of energy retrofit interventions on the historical heritage: A case study in the city of Matera, Italy. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 17-27. https://doi.org/10.18280/ijht.380103
771	Irzmańska, E., Jurczyk-Kowalska, M.	Assessment of the thermal effectiveness of mineral warmers for protective gloves used in cold environments	protective gloves, cold working environment, mineral warmers, thermal effectiveness	38, 1, 28-36	https://doi.org/10.18280/ijht.380104	Irzmańska, E., Jurczyk-Kowalska, M. (2020). Assessment of the thermal effectiveness of mineral warmers for protective gloves used in cold environments. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 28-36. https://doi.org/10.18280/ijht.380104
772	Ma, A.C., Tan, P., Wang, S.L., Zhou, F.L.	Stochastic optimization of continuous beam bridge viscous damper considering the fluid-solid coupling effect and its damping performance	continuous beam bridge, fluid-solid coupling effect, Morison equation, nonlinear viscous damper, stochastic optimization, damping performance	38, 1, 37-44	https://doi.org/10.18280/ijht.380105	Ma, A.C., Tan, P., Wang, S.L., Zhou, F.L. (2020). Stochastic optimization of continuous beam bridge viscous damper considering the fluid-solid coupling effect and its damping performance. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 37-44. https://doi.org/10.18280/ijht.380105
773	Alabugin, A.A., Aliukov, S.V., Osintsev, K.V.	Approximation methods for analysis and formation of mechanisms for regulating heat and mass transfer processes in heat equipment systems	combustion process, dynamics, heat transfer mechanism, torch, regulation systems	38, 1, 45-58	https://doi.org/10.18280/ijht.380106	Alabugin, A.A., Aliukov, S.V., Osintsev, K.V. (2020). Approximation methods for analysis and formation of mechanisms for regulating heat and mass transfer processes in heat equipment systems. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 45-58. https://doi.org/10.18280/ijht.380106
774	El Moutaouakil, L., Boukendil, M., Zrikem, Z., Abdelbaki, A.	Natural convection and thermal radiation influence on nanofluids in a cubical cavity	heating elements, nanofluids, orientation, radiation effect, three-dimensional numerical simulation	38, 1, 59-68	https://doi.org/10.18280/ijht.380107	El Moutaouakil, L., Boukendil, M., Zrikem, Z., Abdelbaki, A. (2020). Natural convection and thermal radiation influence on nanofluids in a cubical cavity. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 59-68. https://doi.org/10.18280/ijht.380107
775	Ahmed, A., Mangi, F.H., Kashif, M., Chachar, F.A., Ullah, Z.	Parametric analysis of a serpentine flow pattern proton exchange membrane fuel cell for optimized performance	proton exchange membrane fuel cell, computation fluid dynamics, non-isothermal flow	38, 1, 69-76	https://doi.org/10.18280/ijht.380108	Ahmed, A., Mangi, F.H., Kashif, M., Chachar, F.A., Ullah, Z. (2020). Parametric analysis of a serpentine flow pattern proton exchange membrane fuel cell for optimized performance. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 69-76. https://doi.org/10.18280/ijht.380108
776	Rahimi, H., Tang, X.N., Esmaceli, Y., Li, M., Pourbakhtiar, A.	Numerical simulation of flow around two side-by-side circular cylinders at high Reynolds number	circular cylinder, supercritical Reynolds number, drag coefficient, lift coefficient, side-by-side arrangement	38, 1, 77-91	https://doi.org/10.18280/ijht.380109	Rahimi, H., Tang, X.N., Esmaceli, Y., Li, M., Pourbakhtiar, A. (2020). Numerical simulation of flow around two side-by-side circular cylinders at high Reynolds number. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 77-91. https://doi.org/10.18280/ijht.380109
777	Ghernaout, B., Attia, M.E., Bouabdallah, S., Driss, Z., Benali, M.L.	Heat and fluid flow in an agricultural greenhouse	greenhouse, natural convection, radiation, 3D simulation, climate	38, 1, 92-98	https://doi.org/10.18280/ijht.380110	Ghernaout, B., Attia, M.E., Bouabdallah, S., Driss, Z., Benali, M.L. (2020). Heat and fluid flow in an agricultural greenhouse. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 92-98. https://doi.org/10.18280/ijht.380110
778	Song, J.B., Zheng, L.F.	Numerical simulation of fluid field in automotive water tank based on uncertainty model	automotive water tank, uncertainty model, fluid field, wall effect, numerical simulation	38, 1, 99-105	https://doi.org/10.18280/ijht.380111	Song, J.B., Zheng, L.F. (2020). Numerical simulation of fluid field in automotive water tank based on uncertainty model. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 99-105. https://doi.org/10.18280/ijht.380111
779	Uddin, M.J., Rahman, M.M.	Heat transportation in copper oxide-water nanofluid filled triangular cavities	nanofluid, nanoparticles, right-, acute-obtuse-angled triangular cavities, finite element solution, magnetic field, heat transfer	38, 1, 106-124	https://doi.org/10.18280/ijht.380112	Uddin, M.J., Rahman, M.M. (2020). Heat transportation in copper oxide-water nanofluid filled triangular cavities. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 106-124. https://doi.org/10.18280/ijht.380112
780	Benbrika, M., Teggat, M., Benbelhout, M., Ismail, K.A.R.	Numerical study of N-Eicosane melting inside a horizontal cylinder for different loading rates	latent heat, melting, N-eicosane, PCM, thermal storage	38, 1, 125-130	https://doi.org/10.18280/ijht.380113	Benbrika, M., Teggat, M., Benbelhout, M., Ismail, K.A.R. (2020). Numerical study of N-Eicosane melting inside a horizontal cylinder for different loading rates. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 125-130. https://doi.org/10.18280/ijht.380113
781	Joshi, V.V.	Heat transfer characterization of test rooms with six different roofs	building heat transfer, building envelope, built environment, cooling load, energy efficiency in buildings	38, 1, 131-136	https://doi.org/10.18280/ijht.380114	Joshi, V.V. (2020). Heat transfer characterization of test rooms with six different roofs. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 131-136. https://doi.org/10.18280/ijht.380114
782	Ridha, H., Oleiwi, S.H.	Numerical investigation for liquid - solid inclined fluidized bed	Ansys fluent, solid works, inclined fluidized bed, two phase, computational fluid dynamic, fluidization height	38, 1, 137-144	https://doi.org/10.18280/ijht.380115	Ridha, H., Oleiwi, S.H. (2020). Numerical investigation for liquid - solid inclined fluidized bed. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 137-144. https://doi.org/10.18280/ijht.380115

783	Zhao, Z.W., Liu, J., Lin, X., Zhao, M.K.	A novel calculation model for liquid carrying capacity of low-yield gas wells	liquid loading, low gas-liquid ratio, liquid carrying capacity, dimensionless analysis	38, 1, 145-150	https://doi.org/10.18280/ijht.380116	Zhao, Z.W., Liu, J., Lin, X., Zhao, M.K. (2020). A novel calculation model for liquid carrying capacity of low-yield gas wells. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 145-150. https://doi.org/10.18280/ijht.380116
784	Bilonoga, Y., Stybel, V., Maksysko, O., Drachuk, U.	A new universal numerical equation and a new method for calculating heat-exchange equipment using nanofluids	nanofluids, heat exchange equipment, viscosity turbulent, thermal conductivity turbulent, surface tension coefficient	38, 1, 151-164	https://doi.org/10.18280/ijht.380117	Bilonoga, Y., Stybel, V., Maksysko, O., Drachuk, U. (2020). A new universal numerical equation and a new method for calculating heat-exchange equipment using nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 151-164. https://doi.org/10.18280/ijht.380117
785	Jasim, H.H.	Enhancement of natural convection heat transfer of hybrid design heat sink	natural convection heat transfer, heat sink, hybrid fin design, heat transfer enhancement	38, 1, 165-170	https://doi.org/10.18280/ijht.380118	Jasim, H.H. (2020). Enhancement of natural convection heat transfer of hybrid design heat sink. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 165-170. https://doi.org/10.18280/ijht.380118
786	Pannucharoengwong, N., Rattanadecho, P., Echaroj, S., Hemathulin, S., Nabudda, K.	The investigation of heat absorber on the efficiency of slanted double-slope solar distillation unit	distillation rate, solar-base technology, heat absorber, black gasket	38, 1, 171-179	https://doi.org/10.18280/ijht.380119	Pannucharoengwong, N., Rattanadecho, P., Echaroj, S., Hemathulin, S., Nabudda, K. (2020). The investigation of heat absorber on the efficiency of slanted double-slope solar distillation unit. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 171-179. https://doi.org/10.18280/ijht.380119
787	Lu, W., Wang, J.L., Guo, H., Li, H.M., Sun, J.H.	Wind-induced dynamic collapse analysis of single-layer cylindrical reticulated shells considering roof slabs and support columns	single-layer cylindrical reticulated shell, roof slabs, support columns, wind load, collapse	38, 1, 180-186	https://doi.org/10.18280/ijht.380120	Lu, W., Wang, J.L., Guo, H., Li, H.M., Sun, J.H. (2020). Wind-induced dynamic collapse analysis of single-layer cylindrical reticulated shells considering roof slabs and support columns. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 180-186. https://doi.org/10.18280/ijht.380120
788	Alhumoud, J.M., Almashan, N.	Enhanced hydrodynamic performance of fluid flow in a rectangular channel using baffles with gaps	hydrodynamic fluid flow, turbulent flow, rectangular channel, perforated baffle, obstacle with gap, numerical simulation	38, 1, 187-202	https://doi.org/10.18280/ijht.380121	Alhumoud, J.M., Almashan, N. (2020). Enhanced hydrodynamic performance of fluid flow in a rectangular channel using baffles with gaps. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 187-202. https://doi.org/10.18280/ijht.380121
789	Shukla, H.S., Surati, H.C., Timol, M.G.	Similarity analysis of MHD three dimensional nanofluid flow for Non-Newtonian Power-Law model over linearly stretching sheet with convective boundary conditions	Brownian motion, convective boundary conditions, deductive two parameter group-theoretic method, MHD nanofluid flow, similarity solution, thermophoresis	38, 1, 203-212	https://doi.org/10.18280/ijht.380122	Shukla, H.S., Surati, H.C., Timol, M.G. (2020). Similarity analysis of MHD three dimensional nanofluid flow for Non-Newtonian Power-Law model over linearly stretching sheet with convective boundary conditions. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 203-212. https://doi.org/10.18280/ijht.380122
790	Xu, F., Chen, X., Zhang, H.X., Shi, Y.J.	Field study on winter heating performance of the air source heat pump system in cold regions	cold region, ASHP, operating performance, field test, COP	38, 1, 213-222	https://doi.org/10.18280/ijht.380123	Xu, F., Chen, X., Zhang, H.X., Shi, Y.J. (2020). Field study on winter heating performance of the air source heat pump system in cold regions. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 213-222. https://doi.org/10.18280/ijht.380123
791	Salehi, N., Lavasani, A.M., Mehdipour, R.	Effect of tube number on critical heat flux and thermal performance in linear Fresnel collector based on direct steam generation	analysis of heat transfer, linear Fresnel concentrator, direct steam generation, critical heat flux	38, 1, 223-230	https://doi.org/10.18280/ijht.380124	Salehi, N., Lavasani, A.M., Mehdipour, R. (2020). Effect of tube number on critical heat flux and thermal performance in linear Fresnel collector based on direct steam generation. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 223-230. https://doi.org/10.18280/ijht.380124
792	Labed, A., Zermane, S.	Simulation of heat transfer in different geometries immersed in a solar pond using Fortran and COMSOL codes	convection conduction, finite differences method, solar pond, COMSOL	38, 1, 231-239	https://doi.org/10.18280/ijht.380125	Labed, A., Zermane, S. (2020). Simulation of heat transfer in different geometries immersed in a solar pond using Fortran and COMSOL codes. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 231-239. https://doi.org/10.18280/ijht.380125
793	Horr, Y.A., Tashtoush, B., Chilengwe, N.	Experimental analysis of mist injection and water shower indirect evaporative cooling in harsh climate	direct evaporative cooling, indirect evaporative cooling, mist injection, energy consumption, water shower	38, 1, 240-250	https://doi.org/10.18280/ijht.380126	Horr, Y.A., Tashtoush, B., Chilengwe, N. (2020). Experimental analysis of mist injection and water shower indirect evaporative cooling in harsh climate. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 240-250. https://doi.org/10.18280/ijht.380126
794	Xiong, C.J., Liu, J.Z., Xie, H., Liu, H., Bao, J.Z.	Sources of ore-forming fluids and materials of gold and antimony deposits in southwestern Guizhou	gold and antimony deposits, ore-forming fluid, ore-forming materials, isotope geochemistry, southwestern Guizhou	38, 1, 251-259	https://doi.org/10.18280/ijht.380127	Xiong, C.J., Liu, J.Z., Xie, H., Liu, H., Bao, J.Z. (2020). Sources of ore-forming fluids and materials of gold and antimony deposits in southwestern Guizhou. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 251-259. https://doi.org/10.18280/ijht.380127
795	Nwoye, C.F., Otamiri, C.H.	Numerical investigation of thermofluid performance of a regenerator relative to the matrix geometry	CFD, convective heat transfer, regenerator, matrix geometry, pressure losses, Stirling engine, friction coefficient	38, 1, 260-268	https://doi.org/10.18280/ijht.380128	Nwoye, C.F., Otamiri, C.H. (2020). Numerical investigation of thermofluid performance of a regenerator relative to the matrix geometry. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 260-268. https://doi.org/10.18280/ijht.380128
796	Zou, D.Z., Sun, C.	Analysis for thermal performance and energy-efficient technology of prefabricated building walls	prefabricated building, energy-efficient design, composite wall, thermal performance, thermal conductivity	38, 1, 269-273	https://doi.org/10.18280/ijht.380129	Zou, D.Z., Sun, C. (2020). Analysis for thermal performance and energy-efficient technology of prefabricated building walls. <i>International Journal of Heat and Technology</i> , Vol. 38, No. 1, pp. 269-273. https://doi.org/10.18280/ijht.380129
797	Cucumo, M.A., Mele, M., Nicoletti, F., Galloro, A., Perrone, D., Greco, N.	Evaluation of crude oil fouling formation in a heat exchanger with twisted tape inserts	heat exchanger, twisted tape, fouling, crude oil, CFD	37, 4, 927-935	https://doi.org/10.18280/ijht.370401	Cucumo, M.A., Mele, M., Nicoletti, F., Galloro, A., Perrone, D., Greco, N. (2019). Evaluation of crude oil fouling formation in a heat exchanger with twisted tape inserts. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 927-935. https://doi.org/10.18280/ijht.370401
798	Mutani, G., Todeschi, V.	An urban energy atlas and engineering model for resilient cities	urban energy atlas, engineering model, energy efficiency, renewable energy sources, energy resilience, geographic information system	37, 4, 936-947	https://doi.org/10.18280/ijht.370402	Mutani, G., Todeschi, V. (2019). An urban energy atlas and engineering model for resilient cities. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 936-947. https://doi.org/10.18280/ijht.370402
799	Sepehrianazar, F., Hassanzadeh, R., Mirzaee, I.	Turbulence and energy assessment of a two bladed H-type vertical axis wind turbine between two high-rise buildings	Vertical Axis Wind Turbine (VAWT), high-rise buildings, wind potential, power coefficient	37, 4, 948-957	https://doi.org/10.18280/ijht.370403	Sepehrianazar, F., Hassanzadeh, R., Mirzaee, I. (2019). Turbulence and energy assessment of a two bladed H-type vertical axis wind turbine between two high-rise buildings. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 948-957. https://doi.org/10.18280/ijht.370403

800	Faruoli, M., Viggiano, A., Magi, V.	A new approach to simulate Stirling engine regenerators as porous media under low Reynolds conditions	porous media, CFD, regenerator, stirling engine	37, 4, 958-965	https://doi.org/10.18280/ijht.370404	Faruoli, M., Viggiano, A., Magi, V. (2019). A new approach to simulate Stirling engine regenerators as porous media under low Reynolds conditions. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 958-965. https://doi.org/10.18280/ijht.370404
801	Solmaz, S., Kerpici, H., Cadirci, S.	Investigation of mechanical effects on heat pump evaporator to accelerate water drainage	atmospheric water generator, heat pump unit, condensation, actuator-induced vibration, mechanical impact, computational fluid dynamics	37, 4, 966-974	https://doi.org/10.18280/ijht.370405	Solmaz, S., Kerpici, H., Cadirci, S. (2019). Investigation of mechanical effects on heat pump evaporator to accelerate water drainage. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 966-974. https://doi.org/10.18280/ijht.370405
802	Wang, Y., Man, Z.S.	Numerical simulation of coalbed methane-water two-phase flow and prediction of coalbed methane productivity based on finite volume method	coalbed methane (CBM) productivity, finite volume method (FVM), numerical simulation, influencing factors	37, 4, 975-984	https://doi.org/10.18280/ijht.370406	Wang, Y., Man, Z.S. (2019). Numerical simulation of coalbed methane-water two-phase flow and prediction of coalbed methane productivity based on finite volume method. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 975-984. https://doi.org/10.18280/ijht.370406
803	Siddegowda, P.	Experimental investigation of the use of propane for domestic refrigerator with lower displacement compressor	capillary, R12 replacement compressor, energy consumption, ice making time, pull down time, propane	37, 4, 985-990	https://doi.org/10.18280/ijht.370407	Siddegowda, P. (2019). Experimental investigation of the use of propane for domestic refrigerator with lower displacement compressor. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 985-990. https://doi.org/10.18280/ijht.370407
804	Mirmanto, Joniarta, W., Wijayanta, A.T., Pranowo, Habiburrahman, M.	Experimental performance of a cooler box with heat dissipation unit variations	cooler box, COP, heat dissipation unit, thermoelectric	37, 4, 991-998	https://doi.org/10.18280/ijht.370408	Mirmanto, Joniarta, W., Wijayanta, A.T., Pranowo, Habiburrahman, M. (2019). Experimental performance of a cooler box with heat dissipation unit variations. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 991-998. https://doi.org/10.18280/ijht.370408
805	Ayano, M.S., Otegbeye, O., Goqo, S.P.	Natural convection MHD radiative flow on a sphere through porous medium considering ohmic dissipation	radiation effect, chemical reaction, magnetohydrodynamic, heat source and sink, quasilinearization	37, 4, 999-1008	https://doi.org/10.18280/ijht.370409	Ayano, M.S., Otegbeye, O., Goqo, S.P. (2019). Natural convection MHD radiative flow on a sphere through porous medium considering ohmic dissipation. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 999-1008. https://doi.org/10.18280/ijht.370409
806	Larijani, M.A., Eslami, M., Afshin, H.	Investigation of effective parameters on the performance of the helium liquefaction cycle	cold box, cryogenic process, cycle efficiency, exergy analysis, helium liquefaction, parametric study	37, 4, 1009-1018	https://doi.org/10.18280/ijht.370410	Larijani, M.A., Eslami, M., Afshin, H. (2019). Investigation of effective parameters on the performance of the helium liquefaction cycle. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1009-1018. https://doi.org/10.18280/ijht.370410
807	Li, B., Ren, J.G., Liu, J.B., Liu, G.F., Lv, R.S., Song, Z.M.	Diffusion and migration law of gaseous methane in coals of different metamorphic degrees	diffusion and migration law, methane, pore structure, different metamorphic degrees	37, 4, 1019-1030	https://doi.org/10.18280/ijht.370411	Li, B., Ren, J.G., Liu, J.B., Liu, G.F., Lv, R.S., Song, Z.M. (2019). Diffusion and migration law of gaseous methane in coals of different metamorphic degrees. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1019-1030. https://doi.org/10.18280/ijht.370411
808	Abdi, H., Asaadi, S., Kivi, H.A., Pesteco, S.M.	A comprehensive numerical study on nanofluid flow and heat transfer of helical, spiral and straight tubes with different cross sections	nanofluid, helical tube, heat transfer performance, laminar flow	37, 4, 1031-1042	https://doi.org/10.18280/ijht.370412	Abdi, H., Asaadi, S., Kivi, H.A., Pesteco, S.M. (2019). A comprehensive numerical study on nanofluid flow and heat transfer of helical, spiral and straight tubes with different cross sections. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1031-1042. https://doi.org/10.18280/ijht.370412
809	Youcef, A., Saim, R.	Computational analysis of turbulent flow and thermal transfer in a shell and tube heat exchanger	heat exchanger, segmental baffle, CFD, thermo-hydraulic performance	37, 4, 1043-1051	https://doi.org/10.18280/ijht.370413	Youcef, A., Saim, R. (2019). Computational analysis of turbulent flow and thermal transfer in a shell and tube heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1043-1051. https://doi.org/10.18280/ijht.370413
810	Li, J.W., Cao, Y.C., Wang, Q., Niu, B.L.	Potential of solar heating for ultra-low-energy passive buildings in cold regions	Ultra-Low-Energy (ULE) passive buildings, solar heating, heating factors, potential	37, 4, 1052-1058	https://doi.org/10.18280/ijht.370414	Li, J.W., Cao, Y.C., Wang, Q., Niu, B.L. (2019). Potential of solar heating for ultra-low-energy passive buildings in cold regions. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1052-1058. https://doi.org/10.18280/ijht.370414
811	Syaiful, Siwi, A.R., Utomo, T.S., Yurianto, Wulandari, R.	Numerical analysis of heat and fluid flow characteristics of airflow inside rectangular channel with presence of perforated concave delta winglet vortex generators	convection heat transfer coefficient, pressure drop, perforated concave delta winglet vortex generators	37, 4, 1059-1070	https://doi.org/10.18280/ijht.370415	Syaiful, Siwi, A.R., Utomo, T.S., Yurianto, Wulandari, R. (2019). Numerical analysis of heat and fluid flow characteristics of airflow inside rectangular channel with presence of perforated concave delta winglet vortex generators. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1059-1070. https://doi.org/10.18280/ijht.370415
812	Assoum, H.H., Hamdi, J., Abed-Meraim, K., Al Kheir, M., Mrach, T., El Soufi, L., Sakout, A.	Spatio-temporal changes in the turbulent kinetic energy of a rectangular jet impinging on a slotted plate analyzed with high speed 3D tomographic-particle image velocimetry.	acoustic comfort, self-sustained tones, indoor air quality, fluctuating velocity, noise control	37, 4, 1071-1079	https://doi.org/10.18280/ijht.370416	Assoum, H.H., Hamdi, J., Abed-Meraim, K., Al Kheir, M., Mrach, T., El Soufi, L., Sakout, A. (2019). Spatio-temporal changes in the turbulent kinetic energy of a rectangular jet impinging on a slotted plate analyzed with high speed 3D tomographic-particle image velocimetry. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1071-1079. https://doi.org/10.18280/ijht.370416
813	Mousavi, S.E., Kheradmand, S., Mirzabozorg, M.A.S.	Effect of oscillating inlet flow on combustion instability	combustion instability, oscillating inlet, flashback, blow-off	37, 4, 1080-1088	https://doi.org/10.18280/ijht.370417	Mousavi, S.E., Kheradmand, S., Mirzabozorg, M.A.S. (2019). Effect of oscillating inlet flow on combustion instability. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1080-1088. https://doi.org/10.18280/ijht.370417
814	Sun, Y., Feng, Y.H., Ma, Y., Wang, Y.Z., Shi, Y.J.	Thermal storage and release features of electric thermal storage heating systems with solid storage material	electric thermal storage heating systems with solid storage material (SS-ETSHS), lumped parameter method, features of thermal storage and release, quantity adjustment, quality adjustment	37, 4, 1089-1098	https://doi.org/10.18280/ijht.370418	Sun, Y., Feng, Y.H., Ma, Y., Wang, Y.Z., Shi, Y.J. (2019). Thermal storage and release features of electric thermal storage heating systems with solid storage material. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1089-1098. https://doi.org/10.18280/ijht.370418
815	Youcef, Y., Bariza, Z., Houcine, M., Hocine, B.	Three-dimensional numerical study of the anode supported intermediate temperature solid oxide fuel cell overheating	AS-IT-SOFC, heating, concentration source, activation source, electrochemical source, ohmic source	37, 4, 1099-1106	https://doi.org/10.18280/ijht.370419	Youcef, Y., Bariza, Z., Houcine, M., Hocine, B. (2019). Three-dimensional numerical study of the anode supported intermediate temperature solid oxide fuel cell overheating. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1099-1106. https://doi.org/10.18280/ijht.370419
816	Chen, R., Ai, Y., Zhang, T.S., Rao, Y., Yue, H.H., Zheng, J.X.	Numerical Simulation of Biomass Pellet Combustion Process	numerical simulation, biomass combustion, biomass, thermogravimetric analysis	37, 4, 1107-1116	https://doi.org/10.18280/ijht.370420	Chen, R., Ai, Y., Zhang, T.S., Rao, Y., Yue, H.H., Zheng, J.X. (2019). Numerical Simulation of Biomass Pellet Combustion Process. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1107-1116. https://doi.org/10.18280/ijht.370420

817	Sarkar, T., Reza-E-Rabbi, S., Arifuzzaman, S.M., Ahmed, R., Khan, M.S., Ahmmed, S.F.	MHD radiative flow of Casson and Williamson nanofluids over an inclined cylindrical surface with chemical reaction effects	casson fluid, williamson fluid, nanoparticles, MHD, inclined cylinder	37, 4, 1117-1126	https://doi.org/10.18280/ijht.370421	Sarkar, T., Reza-E-Rabbi, S., Arifuzzaman, S.M., Ahmed, R., Khan, M.S., Ahmmed, S.F. (2019). MHD radiative flow of Casson and Williamson nanofluids over an inclined cylindrical surface with chemical reaction effects. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1117-1126. https://doi.org/10.18280/ijht.370421
818	Tarawneh, M.	Experimental investigation of the effect of using porous internal sub-cooler on the performance of refrigeration system: R422A case study	internal sub-cooler, performance, porosity, r422a, refrigerants, refrigeration, sub-cooling	37, 4, 1127-1132	https://doi.org/10.18280/ijht.370422	Tarawneh, M. (2019). Experimental investigation of the effect of using porous internal sub-cooler on the performance of refrigeration system: R422A case study. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1127-1132. https://doi.org/10.18280/ijht.370422
819	Liu, Y.J., Wu, W.Z.	Analysis on smoke visibility in fire environment from the perspectives of path curvature and view direction	smoke visibility, path curvature, signage system, view direction, affordance	37, 4, 1133-1140	https://doi.org/10.18280/ijht.370423	Liu, Y.J., Wu, W.Z. (2019). Analysis on smoke visibility in fire environment from the perspectives of path curvature and view direction. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1133-1140. https://doi.org/10.18280/ijht.370423
820	Hussein, M.A.M., Kalash, A.R., Al-Beldawee, I.A., Habeeb, L.J.	Numerical investigation of free convection heat transfer from two-dimensional rectangular enclosure with discrete isothermal heating from bottom side	natural convection, rectangular enclosure, discrete heat sources, finite volume method	37, 4, 1141-1150	https://doi.org/10.18280/ijht.370424	Hussein, M.A.M., Kalash, A.R., Al-Beldawee, I.A., Habeeb, L.J. (2019). Numerical investigation of free convection heat transfer from two-dimensional rectangular enclosure with discrete isothermal heating from bottom side. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1141-1150. https://doi.org/10.18280/ijht.370424
821	Jabbar, M.Y., Ahmed, S.Y., Hamzah, H.K., Ali, F.H.	Heat and entropy lines visualization of natural convection between hot inner circular cylinder and cold outer sinusoidal cylinder.	natural convection, heatlines, entropy generation, sinusoidal corrugated cylinder, differential heated enclosure	37, 4, 1151-1162	https://doi.org/10.18280/ijht.370425	Jabbar, M.Y., Ahmed, S.Y., Hamzah, H.K., Ali, F.H. (2019). Heat and entropy lines visualization of natural convection between hot inner circular cylinder and cold outer sinusoidal cylinder. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1151-1162. https://doi.org/10.18280/ijht.370425
822	Pang, Y.J., Yan, L.J., Li, Y.X., Ma, K.R.	Optimal vent design for additional sunspace of passive houses in rural areas	energy-saving renovation, additional sunspace, passive house, vent design	37, 4, 1163-1170	https://doi.org/10.18280/ijht.370426	Pang, Y.J., Yan, L.J., Li, Y.X., Ma, K.R. (2019). Optimal vent design for additional sunspace of passive houses in rural areas. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1163-1170. https://doi.org/10.18280/ijht.370426
823	Sungsoontorn, S., Nonthiworawong, D., Rattanadecho, P., Prommas, R.	Experimental investigation of attic heat gain reduction and indoor illuminance using a light-vent pipe	light-vent pipe, heat gain reduction, daylight duct, air change	37, 4, 1171-1179	https://doi.org/10.18280/ijht.370427	Sungsoontorn, S., Nonthiworawong, D., Rattanadecho, P., Prommas, R. (2019). Experimental investigation of attic heat gain reduction and indoor illuminance using a light-vent pipe. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1171-1179. https://doi.org/10.18280/ijht.370427
824	Abdulmunem, A.R., Jabal, M.H., Samin, P.M., Rahman, H.A., Hussien, H.A.	Analysis of energy and exergy for the flat plate solar air collector with longitudinal fins embedded in paraffin wax located in Baghdad center	solar collector, PCM, fins, energy, exergy, efficiency	37, 4, 1180-1186	https://doi.org/10.18280/ijht.370428	Abdulmunem, A.R., Jabal, M.H., Samin, P.M., Rahman, H.A., Hussien, H.A. (2019). Analysis of energy and exergy for the flat plate solar air collector with longitudinal fins embedded in paraffin wax located in Baghdad center. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1180-1186. https://doi.org/10.18280/ijht.370428
825	Ma, A.C., Wang, S.L.	Semi-active control of continuous girder bridges considering the coupling effect of earthquake and hydrodynamic pressure	continuous girder bridge, hydrodynamic pressure, morison equation, magnetorheological (MR) damper, semi-active control	37, 4, 1187-1194	https://doi.org/10.18280/ijht.370429	Ma, A.C., Wang, S.L. (2019). Semi-active control of continuous girder bridges considering the coupling effect of earthquake and hydrodynamic pressure. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 4, pp. 1187-1194. https://doi.org/10.18280/ijht.370429
826	Giuliano, A., Catizzone, E., Barisano, D., Nanna, F., Villone, A., Bari, I.D., Cornacchia, G., Braccio, G.	Towards methanol economy: A techno-environmental assessment for a bio-methanol OFMSW/biomass/carbon capture-based integrated plant	CCUS, bio-methanol, bio-methane, biomass gasification, anaerobic digestion, renewable energy	37, 3, 665-674	https://doi.org/10.18280/ijht.370301	Giuliano, A., Catizzone, E., Barisano, D., Nanna, F., Villone, A., De Bari, I., Cornacchia, G., Braccio, G. (2019). Towards methanol economy: A techno-environmental assessment for a bio-methanol OFMSW/biomass/carbon capture-based integrated plant. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 665-674. https://doi.org/10.18280/ijht.370301
827	Apra, C., Greco, A., Maiorino, A., Masselli, C.	A numerical investigation on a caloric heat pump employing nanofluids	Caloric, heat pump, nanofluids, solid-state, regenerator, energy performances	37, 3, 675-681	https://doi.org/10.18280/ijht.370302	Apra, C., Greco, A., Maiorino, A., Masselli, C. (2019). A numerical investigation on a caloric heat pump employing nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 675-681. https://doi.org/10.18280/ijht.370302
828	Cantore, G., Mattarelli, E., Rinaldini, C.A., Savioli, T., Scignoli, F.	Numerical optimization of the injection strategy on a light duty diesel engine operating in dual fuel (CNG/diesel) mode	CFD-3D, combustion, CNG, diesel, dual fuel	37, 3, 682-688	https://doi.org/10.18280/ijht.370303	Cantore, G., Mattarelli, E., Rinaldini, C.A., Savioli, T., Scignoli, F. (2019). Numerical optimization of the injection strategy on a light duty diesel engine operating in dual fuel (CNG/Diesel) mode. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 682-688. https://doi.org/10.18280/ijht.370303
829	Sakhri, N., Menni, Y., Chamkha, A.J., Lorenzini, G., Kaid, N., Ameer, H., Bensafi, M.	Study of heat and mass transfer through an earth to air heat exchanger equipped with fan in south west of Algeria	earth to air heat exchanger, arid region, underground temperature, relative humidity	37, 3, 689-695	https://doi.org/10.18280/ijht.370304	Sakhri, N., Menni, Y., Chamkha, A.J., Lorenzini, G., Kaid, N., Ameer, H., Bensafi, M. (2019). Study of heat and mass transfer through an earth to air heat exchanger equipped with fan in south west of Algeria. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 689-695. https://doi.org/10.18280/ijht.370304
830	Cardinale, T., Sposato, C., Alba, M.B., Feo, A., De Fazio, P.	Energy performance of construction materials using waste recycled polymer as fine aggregate replacement	PVC compound, UV-Aging, thermal properties, mechanical resistance, ecofriendly materials	37, 3, 696-704	https://doi.org/10.18280/ijht.370305	Cardinale, T., Sposato, C., Alba, M.B., Feo, A., De Fazio, P. (2019). Energy performance of construction materials using waste recycled polymer as fine aggregate replacement. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 696-704. https://doi.org/10.18280/ijht.370305
831	Puglia, M., Rizzo, A., Morselli, N., Tartarini, P.	Efficiency and economical assessment of a solar powered dryer combined with a biomass gasification system	biomass, efficiency, gasification, thermal solar power	37, 3, 705-709	https://doi.org/10.18280/ijht.370306	Puglia, M., Rizzo, A., Morselli, N., Tartarini, P. (2019). Efficiency and economical assessment of a solar powered dryer combined with a biomass gasification system. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 705-709. https://doi.org/10.18280/ijht.370306
832	Hasan, M.S., Mondal, R.N., Lorenzini, G.	Numerical prediction of non-isothermal flow with convective heat transfer through a rotating curved square channel with bottom wall heating and cooling from the ceiling	rotating curved channel, dean number, taylor number, grass of number, secondary flow, time evolution, heat transfer, chaos	37, 3, 710-726	https://doi.org/10.18280/ijht.370307	Hasan, M.S., Mondal, R.N., Lorenzini, G. (2019). Numerical prediction of non-isothermal flow with convective heat transfer through a rotating curved square channel with bottom wall heating and cooling from the ceiling. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 710-726. https://doi.org/10.18280/ijht.370307
833	Sifi, I., Ghellai, N., Hima, A., Menni, Y., Chamkha, A.J., Lorenzini, G.	Study of temperature variation effect on the thermoelectric properties of a thermoelectric generator with BiCuSeO molecules	semiconductor, energy conversion, temperature, thermoelectric generator, finite element model, BiCuSeO	37, 3, 727-732	https://doi.org/10.18280/ijht.370308	Sifi, I., Ghellai, N., Hima, A., Menni, Y., Chamkha, A.J., Lorenzini, G. (2019). Study of temperature variation effect on the thermoelectric properties of a thermoelectric generator with BiCuSeO molecules. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 727-732. https://doi.org/10.18280/ijht.370308

834	Zhu, W.C., Zheng, M.G.	Radial flow field of circular bipolar plate for proton exchange membrane fuel cells	proton exchange membrane fuel cell (PEMFC), radial flow field, bipolar plate, pressure drop	37, 3, 733-740	https://doi.org/10.18280/ijht.370309	Zhu, W.C., Zheng, M.G. (2019). Radial flow field of circular bipolar plate for proton exchange membrane fuel cells. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 733-740. https://doi.org/10.18280/ijht.370309
835	Sertel, H., Bilen, K.	The effect of using sinusoidal profile in fins on thermal performance	fins, sinusoidal profile, shooting method, runge kutta, CFD	37, 3, 741-750	https://doi.org/10.18280/ijht.370310	Sertel, H., Bilen, K. (2019). The effect of using sinusoidal profile in fins on thermal performance. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 741-750. https://doi.org/10.18280/ijht.370310
836	Ranjbaran, A., Norozi, M.	Design and fabrication of a novel hybrid solar distillation system with the ability to brine recycling	cascade solar still, hybrid solar distillation, parabolic trough collector, recycling brine, heat transfer, solar energy	37, 3, 751-760	https://doi.org/10.18280/ijht.370311	Ranjbaran, A., Norozi, M. (2019). Design and fabrication of a novel hybrid solar distillation system with the ability to brine recycling. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 751-760. https://doi.org/10.18280/ijht.370311
837	Dong, J.X., Cheng, L.	Numerical simulation of migration and distribution law for gas seepage in coal seam	gas pressure, gas migration, stress field, gas seepage, COMSOL multiphysics	37, 3, 761-765	https://doi.org/10.18280/ijht.370312	Dong, J.X., Cheng, L. (2019). Numerical simulation of migration and distribution law for gas seepage in coal seam. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 761-765. https://doi.org/10.18280/ijht.370312
838	Kumari, M., Jain, S.	Variable fluid property for MHD viscous fluid containing gyrotactic microorganisms flow over a permeable stretching sheet	first and second order velocity slip, temperature jump, concentration slip, microorganism slip, porosity medium	37, 3, 766-778	https://doi.org/10.18280/ijht.370313	Kumari, M., Jain, S. (2019). Variable fluid property for MHD viscous fluid containing gyrotactic microorganisms flow over a permeable stretching sheet. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 766-778. https://doi.org/10.18280/ijht.370313
839	Gourari, S., Mebarek-Oudina, F., Hussein, A.K., Kolsi, L., Hassen, W., Younis, O.	Numerical study of natural convection between two coaxial inclined cylinders	numerical simulation, finite volume method, natural convection, coaxial cylinders, heat source	37, 3, 779-786	https://doi.org/10.18280/ijht.370314	Gourari, S., Mebarek-Oudina, F., Hussein, A.K., Kolsi, L., Hassen, W., Younis, O. (2019). Numerical study of natural convection between two coaxial inclined cylinders. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 779-786. https://doi.org/10.18280/ijht.370314
840	Ma, L.	An economic model for geothermal energy consumption based on industrial innovation and structural upgrading	geothermal energy, economic model, industrial innovation, energy consumption, optimization	37, 3, 787-791	https://doi.org/10.18280/ijht.370315	Ma, L. (2019). An economic model for geothermal energy consumption based on industrial innovation and structural upgrading. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 787-791. https://doi.org/10.18280/ijht.370315
841	Dwivedi, K.K., Karmakar, M.K., Pramanick, A.K., Chatterjee, P.K.	A brief review on hydrodynamic behaviour analysis of coal gasification in a circulating fluidized bed gasifier	circulating fluidized bed, riser, loop-seal, hydrodynamics, gasification	37, 3, 792-802	https://doi.org/10.18280/ijht.370316	Dwivedi, K.K., Karmakar, M.K., Pramanick, A.K., Chatterjee, P.K. (2019). A brief review on hydrodynamic behaviour analysis of coal gasification in a circulating fluidized bed gasifier. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 792-802. https://doi.org/10.18280/ijht.370316
842	Hatami, M., Bayareh, M.	Numerical simulation of heat transfer from three-dimensional model of human head in different environmental conditions	heat transfer, human head, natural convection, forced convection	37, 3, 803-810	https://doi.org/10.18280/ijht.370317	Hatami, M., Bayareh, M. (2019). Numerical simulation of heat transfer from three-dimensional model of human head in different environmental conditions. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 803-810. https://doi.org/10.18280/ijht.370317
843	Shi, Y., Huang, X.C., Feng, G.H.	Wellbore-reservoir coupling simulation of geochemical reactions involving carbon dioxide	wellbore-reservoir coupling simulation, geochemical reaction, carbon dioxide (CO ₂), drift-flux model	37, 3, 811-819	https://doi.org/10.18280/ijht.370318	Shi, Y., Huang, X.C., Feng, G.H. (2019). Wellbore-reservoir coupling simulation of geochemical reactions involving carbon dioxide. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 811-819. https://doi.org/10.18280/ijht.370318
844	Alami, A., Boucham, B., Gouareh, A.	Investigation on the energy efficiency of a geo-sol adsorption heat transformer in the algerian context	geothermal energy, solar energy, heat transformer, adsorption, combined cycle, Algerian climate, coefficient of performance	37, 3, 820-830	https://doi.org/10.18280/ijht.370319	Alami, A., Boucham, B., Gouareh, A. (2019). Investigation on the energy efficiency of a geo-sol adsorption heat transformer in the algerian context. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 820-830. https://doi.org/10.18280/ijht.370319
845	Bora, M.K., Alam, M.F., Sharma, B., Barman, R.N.	Numerical investigation of Ag-H ₂ O nanofluid in a lid driven square cavity with different shaped conducting and insulating cylinders placed at centre	conjugate heat transfer 1, lid-driven cavity 2, fluent 3, silver nanoparticle 4 centre	37, 3, 831-838	https://doi.org/10.18280/ijht.370320	Bora, M.K., Alam, M.F., Sharma, B., Barman, R.N. (2019). Numerical investigation of Ag-H ₂ O nanofluid in a lid driven square cavity with different shaped conducting and insulating cylinders placed at centre. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 831-838. https://doi.org/10.18280/ijht.370320
846	Gao, L.	Steady simulation of T-groove and spiral groove dry gas seals	Dry Gas Seal (DGS), Pressure Distribution, Spiral Groove, T-Groove	37, 3, 839-845	https://doi.org/10.18280/ijht.370321	Gao, L. (2019). Steady simulation of T-groove and spiral groove dry gas seals. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 839-845. https://doi.org/10.18280/ijht.370321
847	Asjad, M.I.	Fractional mechanism with power law (singular) and exponential (non-singular) kernels and its applications in bio heat transfer model	hyperthermia, fractional derivative, bio heat, breast cancer, comparison	37, 3, 846-852	https://doi.org/10.18280/ijht.370322	Asjad, M.I. (2019). Fractional mechanism with power law (singular) and exponential (non-singular) kernels and its applications in bio heat transfer model. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 846-852. https://doi.org/10.18280/ijht.370322
848	Pasha, K.M.K.	Relating the bubble density to the heat transfer in pool boiling processes of surfactant solutions	heat flux, tube, bubbles, surfactant concentration	37, 3, 853-862	https://doi.org/10.18280/ijht.370323	Pasha, K.M.K. (2019). Relating the bubble density to the heat transfer in pool boiling processes of surfactant solutions. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 853-862. https://doi.org/10.18280/ijht.370323
849	Cheng, Q., Jiao, J.P.	Fractal features of fractional brownian motion and their application in economics	fractional brownian motion (FBM), fractal features, Rescaled Range (R/S) analysis, gold price sequence	37, 3, 863-868	https://doi.org/10.18280/ijht.370324	Cheng, Q., Jiao, J.P. (2019). Fractal features of fractional Brownian motion and their application in economics. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 863-868. https://doi.org/10.18280/ijht.370324
850	Shaik, S.V., Babu, T.P.S.A.	Computation of ecological properties, flammability properties and thermodynamic properties of sustainable refrigerant dimethylether (RE170) using martin hou equation of state (MHEOS)	equation of state, ODP, GWP, RF number, saturated properties, vapour specic volume	37, 3, 869-880	https://doi.org/10.18280/ijht.370325	Shaik, S.V., Babu, T.P.S.A. (2019). Computation of ecological properties, flammability properties and thermodynamic properties of sustainable refrigerant Dimethylether (RE170) using martin hou equation of state (MHEOS). <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 869-880. https://doi.org/10.18280/ijht.370325

851	Villagran Munar, E.A., Bojacá Aldana, C.R.	CFD simulation of the increase of the roof ventilation area in a traditional Colombian greenhouse: effect on air flow patterns and thermal behavior	finite volumes, passive ventilation, protected horticulture, thermal difference, ventilation rate	37, 3, 881-892	https://doi.org/10.18280/ijht.370326	Villagran Munar, E.A., Bojacá Aldana, C.R. (2019). CFD simulation of the increase of the roof ventilation area in a traditional Colombian greenhouse: effect on air flow patterns and thermal behavior. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 881-892. https://doi.org/10.18280/ijht.370326
852	Ye, Z.X., Jiang, Y.Y., Zhang, Y., Zou, J.F., Zheng, Y.	Effects of synthetic jet array on turbulent boundary layer	synthetic jet array, turbulent boundary layer, hot-wire, drag reduction	37, 3, 893-898	https://doi.org/10.18280/ijht.370327	Ye, Z.X., Jiang, Y.Y., Zhang, Y., Zou, J.F., Zheng, Y. (2019). Effects of synthetic jet array on turbulent boundary layer. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 893-898. https://doi.org/10.18280/ijht.370327
853	Akinbo, B.J., Olajuwon, B.I.	Homotopy analysis investigation of heat and mass transfer flow past a vertical porous medium in the presence of heat source	heat source, magnetic field, heat and mass transfer, homotopy analysis method, similarity solution	37, 3, 899-908	https://doi.org/10.18280/ijht.370328	Akinbo, B.J., Olajuwon, B.I. (2019). Homotopy analysis investigation of heat and mass transfer flow past a vertical porous medium in the presence of heat source. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 899-908. https://doi.org/10.18280/ijht.370328
854	Singh M., Patel A., Bajargaan R.	Travelling wave solution of a riemann problem and shock structure in an unsteady flow of a perfect gas under viscosity	navier-stokes equations, perfect gas, riemann condition, shock wave, viscosity	37, 3, 909-917	https://doi.org/10.18280/ijht.370329	Singh, M., Patel, A., Bajargaan, R. (2019). Travelling wave solution of a riemann problem and shock structure in an unsteady flow of a perfect gas under viscosity. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 909-917. https://doi.org/10.18280/ijht.370329
855	Sánchez, R.J., Fernández, M.B., Nolasco, S.M.	An approach to the application of a modified fick's diffusion model: Development of an algorithm	fick, diffusion, model, extraction	37, 3, 918-925	https://doi.org/10.18280/ijht.370330	Sánchez, R.J., Fernández, M.B., Nolasco, S.M. (2019). An approach to the application of a modified fick's diffusion model: Development of an algorithm. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 3, pp. 918-925. https://doi.org/10.18280/ijht.370330
856	De Souza, M.O., Vaccaro, G.L.R., Rocha, L.A.O., Lorenzini, G.	Optimum composition of charter contracts for the renewal of the fleet of offshore support vessels considering uncertainties: A literature review	maritime chartering, offshore support vessels, optimization under uncertainties, prices prediction, risk analysis	37, 2, 365-378	https://doi.org/10.18280/ijht.370201	De Souza, M.O., Vaccaro, G.L.R., Rocha, L.A.O., Lorenzini, G. (2019). Optimum composition of charter contracts for the renewal of the fleet of offshore support vessels considering uncertainties: A literature review. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 365-378. https://doi.org/10.18280/ijht.370201
857	Zine-Dine, K., El Hammami, Y., Mir, R., Armou, S., Mediouni, T.	Modeling of volatile organic compounds condensation in a vertical tube	condensation process, heat and mass transfer, numerical simulation, phase change, ternary mixture	37, 2, 379-386	https://doi.org/10.18280/ijht.370202	Zine-Dine, K., El Hammami, Y., Mir, R., Armou, S., Mediouni, T. (2019). Modeling of volatile organic compounds condensation in a vertical tube. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 379-386. https://doi.org/10.18280/ijht.370202
858	Roy, A.K., Saha, A.K., Debnath, S.	Hydrodynamic dispersion of solute under homogeneous and heterogeneous reactions	taylor dispersion, wall absorption, bulk flow reaction	37, 2, 387-397	https://doi.org/10.18280/ijht.370203	Roy, A.K., Saha, A.K., Debnath, S. (2019). Hydrodynamic dispersion of solute under homogeneous and heterogeneous reactions. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 387-397. https://doi.org/10.18280/ijht.370203
859	Triveni, M.K., Panua, R.	Free convection in a caterpillar shaped triangular enclosure filled with different nanofluids	natural convection, triangular enclosure, nanofluid, rayleigh number	37, 2, 398-406	https://doi.org/10.18280/ijht.370204	Triveni, M.K., Panua, R. (2019). Free convection in a caterpillar shaped triangular enclosure filled with different nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 398-406. https://doi.org/10.18280/ijht.370204
860	Hamzah D.A., Al-Farhany K.	Effect of twisted tape ratio on the solar generator half-length pipe	twist tape, thermo-hydraulic, friction factor, CFD, swirl flow	37, 2, 407-412	https://doi.org/10.18280/ijht.370205	Hamzah, D.A., Al-Farhany, K. (2019). Effect of twisted tape ratio on the solar generator half-length pipe. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 407-412. https://doi.org/10.18280/ijht.370205
861	Boudjeniba B., Laouer A., Laouar S., Mezaache E.H.	Transition to chaotic natural convection of Cu-water nanofluid in an inclined square enclosure	heat transfer, natural convection, nanofluid, enclosure, HOPF bifurcation, phase trajectory, Lyapunov exponent, chaos	37, 2, 413-422	https://doi.org/10.18280/ijht.370206	Boudjeniba, B., Laouer, A., Laouar, S., Mezaache, E.H. (2019). Transition to chaotic natural convection of Cu-water nanofluid in an inclined square enclosure. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 413-422. https://doi.org/10.18280/ijht.370206
862	Wu, H.	Game theory-based economic analysis and incentive mechanism of complex geothermal energy	geothermal energy, energy market, game theory, economy, economic incentive system	37, 2, 423-427	https://doi.org/10.18280/ijht.370207	Wu, H. (2019). Game theory-based economic analysis and incentive mechanism of complex geothermal energy. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 423-427. https://doi.org/10.18280/ijht.370207
863	Rahman, M.R.A., Baharom, S.N.A., Faizal, H.M.	Investigation on the mass burning rate of biodiesel blended with ethanol subjected to cross airflow	biodiesel, burning rate, cross airflow, pool fire	37, 2, 428-432	https://doi.org/10.18280/ijht.370208	Rahman, M.R.A., Baharom, S.N.A., Faizal, H.M. (2019). Investigation on the mass burning rate of biodiesel blended with ethanol subjected to cross airflow. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 428-432. https://doi.org/10.18280/ijht.370208
864	Mansour, M.A., Rashad, A.M., Mallikarjuna, B., Hussein, A.K., Aichouni, M., Kolsi, L.	MHD mixed bioconvection in a square porous cavity filled by gyrotactic microorganisms	MHD, mixed convection, square enclosure, gyrotactic microorganisms	37, 2, 433-445	https://doi.org/10.18280/ijht.370209	Mansour, M.A., Rashad, A.M., Mallikarjuna, B., Hussein, A.K., Aichouni, M., Kolsi, L. (2019). MHD mixed bioconvection in a square porous cavity filled by gyrotactic microorganisms. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 433-445. https://doi.org/10.18280/ijht.370209
865	Benramdane, M., Abboudi, S., Ghernaout, M.	Contribution to the simulation and parametric analysis of the operation of a solar concentration thermal installation	solar thermal machine, steam turbine, RANKINE cycle, HIRN cycle, thermodynamic parameters	37, 2, 446-456	https://doi.org/10.18280/ijht.370210	Benramdane, M., Abboudi, S., Ghernaout, M. (2019). Contribution to the simulation and parametric analysis of the operation of a solar concentration thermal installation. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 446-456. https://doi.org/10.18280/ijht.370210
866	Qadiri, U., Wani, M.M.	Computational investigation on single cylinder spark ignition engine using gasoline-propane in dual fuel mode	performance, emissions, engine, simulation, alternative fuel	37, 2, 457-465	https://doi.org/10.18280/ijht.370211	Qadiri, U., Wani, M.M. (2019). Computational investigation on single cylinder spark ignition engine using gasoline-propane in dual fuel mode. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 457-465. https://doi.org/10.18280/ijht.370211
867	Wang, W.T., Feng, B.Y.	Mechanical behavior and reliability of anchoring resin under thermomechanical coupling	thermomechanical coupling, anchoring resin, mechanical performance, tensile shear strength, rheological performance	37, 2, 466-470	https://doi.org/10.18280/ijht.370212	Wang, W.T., Feng, B.Y. (2019). Mechanical behavior and reliability of anchoring resin under thermomechanical coupling. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 466-470. https://doi.org/10.18280/ijht.370212

868	Kumbhar, S.V., Sonage, B.K.	Experimental investigations of developed solar still for increment in efficiency and rate of distillate	distillate, efficiency, PCM, reflectors, solar still	37, 2, 471-480	https://doi.org/10.18280/ijht.370213	Kumbhar, S.V., Sonage, B.K. (2019). Experimental investigations of developed solar still for increment in efficiency and rate of distillate. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 471-480. https://doi.org/10.18280/ijht.370213
869	Tabet, I., Kezzar, M., Chieul, M., Nafir, N., Khentout, A.	Application of multi-step differential transformation method (Ms-DTM) for solving nonlinear problem of heat transfer in solar air collector	solar air collector, thermal efficiency, differential transformation multi-step method, numerical method, Rung-kutta	37, 2, 481-486	https://doi.org/10.18280/ijht.370214	Tabet, I., Kezzar, M., Chieul, M., Nafir, N., Khentout, A. (2019). Application of multi-step differential transformation method (Ms-DTM) for solving nonlinear problem of heat transfer in solar air collector. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 481-486. https://doi.org/10.18280/ijht.370214
870	Rana, B.M.J., Arifuzzaman, S.M., Reza-E-Rabbi, Sk., Ahmed, S.F., Shakhaoth Khan, Md.	Energy and magnetic flow analysis of williamson micropolar nanofluid through stretching sheet	ACE, BCR, MHD, williamson nanofluids, finite difference analysis	37, 2, 487-496	https://doi.org/10.18280/ijht.370215	Rana, B.M.J., Arifuzzaman, S.M., Reza-E-Rabbi, Sk., Ahmed, S.F., Shakhaoth Khan, Md. (2019). Energy and magnetic flow analysis of Williamson micropolar nanofluid through stretching sheet. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 487-496. https://doi.org/10.18280/ijht.370215
871	Ponnada, S., Subrahmanyam, T., Naidu, S.V.	An experimental study on silicon carbide-water nanofluids for heat transfer applications	friction factor, heat transfer, nusselt number, SiC nanofluid, twisted tapes, twist ratio	37, 2, 497-503	https://doi.org/10.18280/ijht.370216	Ponnada, S., Subrahmanyam, T., Naidu, S.V. (2019). An experimental study on silicon carbide-water nanofluids for heat transfer applications. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 497-503. https://doi.org/10.18280/ijht.370216
872	Zhang, C.G., Hu, H.F., Zha, D.H., Jiang, H.D.	Metallogenic fluid characteristics of yueshan Cu-polymetallic deposit	fluid inclusion, hydrotogenesis, fluid, temperature	37, 2, 504-508	https://doi.org/10.18280/ijht.370217	Zhang, C.G., Hu, H.F., Zha, D.H., Jiang, H.D. (2019). Metallogenic fluid characteristics of yueshan Cu-polymetallic deposit. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 504-508. https://doi.org/10.18280/ijht.370217
873	Saeed, A., Shah, Z., Dawar, A., Islam, S., Khan, W., Idrees, M.	Entropy generation in MHD flow of carbon nanotubes in a rotating channel with four different types of molecular liquids	entropy generation, SWCNTs and MWCNTs, rotating system, thermal radiation, HAM	37, 2, 509-519	https://doi.org/10.18280/ijht.370218	Saeed, A., Shah, Z., Dawar, A., Islam, S., Khan, W., Idrees, M. (2019). Entropy generation in MHD flow of carbon nanotubes in a rotating channel with four different types of molecular liquids. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 509-519. https://doi.org/10.18280/ijht.370218
874	Hassani, M., Lavasani, M.A., Kim, Y.S., Ghergherechi, M.	Numerical investigation of nanofluid Al ₂ O ₃ /water in elliptical tube equipped with twisted tape	elliptical tube, nanofluid, twisted tape, thermal efficiency	37, 2, 520-526	https://doi.org/10.18280/ijht.370219	Hassani, M., Lavasani, M.A., Kim, Y.S., Ghergherechi, M. (2019). Numerical investigation of nanofluid Al ₂ O ₃ /Water in elliptical tube equipped with twisted tape. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 520-526. https://doi.org/10.18280/ijht.370219
875	Kedar, S., Kumaravel, A.R., Bewoor, A.K.	Experimental investigation of solar desalination system using evacuated tube collector	solar desalination, evacuated tube collector, surface condenser, distilled water	37, 2, 527-532	https://doi.org/10.18280/ijht.370220	Kedar, S., Kumaravel, A.R., Bewoor, A.K. (2019). Experimental investigation of solar desalination system using evacuated tube collector. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 527-532. https://doi.org/10.18280/ijht.370220
876	Li, J.L., Wang, S.L., Gao, L., Hao, Y.Z., Zhang, S.R.	3D finite-element analysis of soil seepage in water-rich gravel stratum	water-rich gravel stratum, 3D seepage field, subway foundation pit, seepage features	37, 2, 533-536	https://doi.org/10.18280/ijht.370221	Li, J.L., Wang, S.L., Gao, L., Hao, Y.Z., Zhang, S.R. (2019). 3D finite-element analysis of soil seepage in water-rich gravel stratum. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 533-536. https://doi.org/10.18280/ijht.370221
877	Chabane, F., Adouane, F., Moumni, N., Brima, A., Bensahal, D.	Mathematical modeling of drying of mint in a forced convective dryer based on important parameters	drying room, R ² , RMSE, χ^2 , moisture content, mass flow rate, mint, solar drying	37, 2, 537-544	https://doi.org/10.18280/ijht.370222	Chabane, F., Adouane, F., Moumni, N., Brima, A., Bensahal, D. (2019). Mathematical modeling of drying of mint in a forced convective dryer based on important parameters. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 537-544. https://doi.org/10.18280/ijht.370222
878	Walunj, A., Sathyabhama, A.	Experimental investigation on transient pool boiling heat transfer from rough surface and heat transfer correlations	surface roughness, critical heat flux, onset of boiling, high speed visualization	37, 2, 545-554	https://doi.org/10.18280/ijht.370223	Walunj, A., Sathyabhama, A. (2019). Experimental investigation on transient pool boiling heat transfer from rough surface and heat transfer correlations. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 545-554. https://doi.org/10.18280/ijht.370223
879	Shaheen, A., Asjad, M.I., Arshad, S.	Three dimensional flow of nanofluids over an exponential horizontal nonlinear sheet saturated in porous medium	exponential horizontal sheet, three-dimensional flow, nanofluid, nonlinear ordinary differential equations, optimal homotopy analysis method solutions	37, 2, 555-561	https://doi.org/10.18280/ijht.370224	Shaheen, A., Inran Asjad, M., Arshad, S. (2019). Three dimensional flow of nanofluids over an exponential horizontal nonlinear sheet saturated in porous medium. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 555-561. https://doi.org/10.18280/ijht.370224
880	Cui, X.L., Yin, S.B., Zhang, L., Zhu, Y.Y., Sang, G.C., Zhao, Q.	Influence mechanism of window-to-wall ratio on energy consumption of rural buildings in southern Shaanxi, China	rural buildings in southern shaanxi, building energy consumption, window-to-wall ratio (WWR), orientation, heat transfer coefficient	37, 2, 562-568	https://doi.org/10.18280/ijht.370225	Cui, X.L., Yin, S.B., Zhang, L., Zhu, Y.Y., Sang, G.C., Zhao, Q. (2019). Influence mechanism of window-to-wall ratio on energy consumption of rural buildings in southern Shaanxi, China. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 562-568. https://doi.org/10.18280/ijht.370225
881	Goldoust, A., Sarmasti Emami, M.R., Ranjbar, A.A.	Experimental investigation of the evaporator section tilted angle and filling ratio on the thermal characteristics of a two-phase closed thermosyphon	two-phase closed thermosyphon, tilted angle, filling ratio, rosenow's correlation, thermal performance	37, 2, 569-574	https://doi.org/10.18280/ijht.370226	Goldoust, A., Sarmasti Emami, M.R., Ranjbar, A.A. (2019). Experimental investigation of the evaporator section tilted angle and filling ratio on the thermal characteristics of a two-phase closed thermosyphon. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 569-574. https://doi.org/10.18280/ijht.370226
882	Lertsatitthanakorn, C., Bamroongkhan, P., Sathapornprasath, K., Soponronnarit, S.	Experimental performance and economic evaluation of a thermoelectric liquefied petroleum gas (TE-LPG) cook stove	thermoelectric, cook stove, conversion efficiency, payback period	37, 2, 575-582	https://doi.org/10.18280/ijht.370227	Lertsatitthanakorn, C., Bamroongkhan, P., Sathapornprasath, K., Soponronnarit, S. (2019). Experimental performance and economic evaluation of a thermoelectric liquefied petroleum gas (TE-LPG) cook stove. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 575-582. https://doi.org/10.18280/ijht.370227
883	Pamuk, M.T.	Numerical investigation of the effects of the baffles added in a concentric pipe heat exchanger	heat transfer, heat exchangers, concentric pipes, baffles, CFD	37, 2, 583-588	https://doi.org/10.18280/ijht.370228	Pamuk, M.T. (2019). Numerical investigation of the effects of the baffles added in a concentric pipe heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 583-588. https://doi.org/10.18280/ijht.370228
884	Liu, W.Y., Wen, H., Guo, J.	Inhibition mechanism of LDHs on coal spontaneous combustion based on thermogravimetric analysis	LDHs, coal spontaneous combustion, inhibition mechanism, thermal gravimetric analysis, characteristic temperature point	37, 2, 589-596	https://doi.org/10.18280/ijht.370229	Liu, W.Y., Wen, H., Guo, J. (2019). Inhibition mechanism of LDHs on coal spontaneous combustion based on thermogravimetric analysis. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 589-596. https://doi.org/10.18280/ijht.370229

885	Sarifudin, A., Wijayanto, D.S., Widiastuti, I.	Parameters optimization of tube type, pressure, and mass fraction on vortex tube performance using the Taguchi method	Could Temperature, Coefficient of Performance Refrigeration (COP), cooling machine, natural cooling, forced cooling, parameter design, efficient experimental and reliable statistics	37, 2, 597-604	https://doi.org/10.18280/ijht.370230	Sarifudin, A., Wijayanto, D.S., Widiastuti, I. (2019). Parameters optimization of tube type, pressure, and mass fraction on vortex tube performance using the Taguchi method. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 597-604. https://doi.org/10.18280/ijht.370230
886	da Silveira Borahel, R., de Césaró Oliveski, R., Marczak, L.D.F.	Numerical study of the ohmic heating process applied to different food particles	food engineering, thermal processing of food, emerging technologies of food processing, volumetric heat generation, ohmic heating, computational fluid dynamics (CFD), ansys fluent code	37, 2, 605-612	https://doi.org/10.18280/ijht.370231	da Silveira Borahel, R., de Césaró Oliveski, R., Marczak, L.D.F. (2019). Numerical study of the ohmic heating process applied to different food particles. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 605-612. https://doi.org/10.18280/ijht.370231
887	Baruah, S., Chatterjee, S.	CFD analysis on an elliptical chamber muffler of a C.I. Engine	CFD simulation, muffler acoustics, transmission loss, turbulence modelling	37, 2, 613-619	https://doi.org/10.18280/ijht.370232	Baruah, S., Chatterjee, S. (2019). CFD analysis on an elliptical chamber muffler of a C.I. engine. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 613-619. https://doi.org/10.18280/ijht.370232
888	Wu, W.T.	Economic analysis of energy consumption based on thermoeconomic cost analysis model	energy consumption, residual heat utilization, thermoeconomic cost, thermodynamics, iron and steel enterprises	37, 2, 620-624	https://doi.org/10.18280/ijht.370233	Wu, W.T. (2019). Economic analysis of energy consumption based on thermoeconomic cost analysis model. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 620-624. https://doi.org/10.18280/ijht.370233
889	Jrad, A.B.H., Zagnani, A., Mhimid, A., El Ganaoui, M.	Feasibility study of cold production using activated carbon/CO ₂ pair	solar adsorption cooling, heat and mass transfers, activated carbon/CO ₂ pair, solar coefficient of performance (COPs)	37, 2, 625-632	https://doi.org/10.18280/ijht.370234	Jrad, A.B.H., Zagnani, A., Mhimid, A., El Ganaoui, M. (2019). Feasibility study of cold production using activated carbon/CO ₂ pair. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 625-632. https://doi.org/10.18280/ijht.370234
890	Zhong, J., Jia, S.H., Liu, R.Y.	Improvement of indoor thermal environment in renovated huizhou architecture	huizhou architecture, renovation, wind environment, indoor ventilation	37, 2, 633-640	https://doi.org/10.18280/ijht.370235	Zhong, J., Jia, S.H., Liu, R.Y. (2019). Improvement of indoor thermal environment in renovated Huizhou architecture. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 633-640. https://doi.org/10.18280/ijht.370235
891	Mollah, M.T.	EMHD laminar flow of bingham fluid between two parallel Riga plates	MHD flow, bingham fluid, riga plate, finite difference scheme, heat transfer	37, 2, 641-648	https://doi.org/10.18280/ijht.370236	Mollah, M.T. (2019). EMHD laminar flow of Bingham fluid between two parallel Riga plates. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 641-648. https://doi.org/10.18280/ijht.370236
892	Pengpom, N., Vongpradubchai, S., Rattanadecho, P.	Numerical study of a combined pollutant concentration dispersion and convective heat transfer in a two-dimensional factory model	pollutant concentration dispersion, convective heat transfer, inconstant diffusion coefficient, factory model, indoor air pollution	37, 2, 649-658	https://doi.org/10.18280/ijht.370237	Pengpom, N., Vongpradubchai, S., Rattanadecho, P. (2019). Numerical study of a combined pollutant concentration dispersion and convective heat transfer in a two-dimensional factory model. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 649-658. https://doi.org/10.18280/ijht.370237
893	Liu, H.L.	Design of a real-time bubble shape detector for gas-liquid two-phase flow in coalbed methane development wells based on optical sensors	coalbed methane (CBM), gas-liquid two-phase flow, optical sensor, bubble velocity, bubble volum	37, 2, 659-664	https://doi.org/10.18280/ijht.370238	Liu, H.L. (2019). Design of a real-time bubble shape detector for gas-liquid two-phase flow in coalbed methane development wells based on optical sensors. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 2, pp. 659-664. https://doi.org/10.18280/ijht.370238
894	Bilonoga, Y., Maksysko, O.	The laws of distribution of the values of turbulent thermo-physical characteristics in the volume of the flows of heat carriers taking into account the surface forces	turbulent number blturb, turbulent and transitional viscosities, turbulent and transitional conductivities, coefficient of surface tension, shell-and-tube heat exchanger	37, 1, 1-10	https://doi.org/10.18280/ijht.370101	Bilonoga, Y., Maksysko, O. (2019). The laws of distribution of the values of turbulent thermo-physical characteristics in the volume of the flows of heat carriers taking into account the surface forces. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 1-10. https://doi.org/10.18280/ijht.370101
895	Haghighi, A.R., Pirhadi, N.	A numerical study of heat transfer and flow characteristics of pulsatile blood flow in a tapered artery with a combination of stenosis and aneurysm	body acceleration, finite difference method, heat transfer, cross fluid, stenosis and aneurysm	37, 1, 11-21	https://doi.org/10.18280/ijht.370102	Haghighi, A.R., Pirhadi, N. (2019). A numerical study of heat transfer and flow characteristics of pulsatile blood flow in a tapered artery with a combination of stenosis and aneurysm. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 11-21. https://doi.org/10.18280/ijht.370102
896	Kumar, M., Biswal, R., Kumar, A.	Experimental investigation of solidification and remelting over cryocooled sphere using different concentrations of brine solution as phase change material	brine solution, solid sphere, solidification, melting, natural convection	37, 1, 22-32	https://doi.org/10.18280/ijht.370103	Kumar, M., Biswal, R., Kumar, A. (2019). Experimental investigation of solidification and remelting over cryocooled sphere using different concentrations of brine solution as phase change material. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 22-32. https://doi.org/10.18280/ijht.370103
897	Kumar, R., Chand, P.	Analytical investigation on solar air heater with fins and twisted tapes	exergy efficiency, solar air heater, thermal efficiency, twisted tapes, twist ratio	37, 1, 33-40	https://doi.org/10.18280/ijht.370104	Kumar, R., Chand, P. (2019). Analytical investigation on solar air heater with fins and twisted tapes. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 33-40. https://doi.org/10.18280/ijht.370104
898	Dey, D., Khound, A.S.	Free convective oldroyd fluid flow through an annulus under transverse magnetic field using modified Bessel functions	relaxation and retardation, visco-elastic fluid, modified Bessel function, shearing stress, annulus, radiation	37, 1, 41-47	https://doi.org/10.18280/ijht.370105	Dey, D., Khound, A.S. (2019). Free convective Oldroyd fluid flow through an annulus under transverse magnetic field using modified Bessel functions. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 41-47. https://doi.org/10.18280/ijht.370105
899	Ray, S., Tripathy, A.K., Sahoo, S.S., Singh, S.	Effect of inlet temperature of heat transfer fluid and wind velocity on the performance of parabolic trough solar collector receiver: A computational study	PTSC, vacuum, selective coating, thermal efficiency, circumferential temperature difference	37, 1, 48-58	https://doi.org/10.18280/ijht.370106	Ray, S., Tripathy, A.K., Sahoo, S.S., Singh, S. (2019). Effect of inlet temperature of heat transfer fluid and wind velocity on the performance of parabolic trough solar collector receiver: A computational study. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 48-58. https://doi.org/10.18280/ijht.370106
900	Mondal, M., Biswas, R., Shanchia, K., Hasan, M., Ahmed, S.F.	Numerical investigation with stability convergence analysis of chemically hydromagnetic casson nanofluid flow in the effects of thermophoresis and Brownian motion	casson nanofluid, EFD, radiation, chemical reaction, MHD, porous medium	37, 1, 59-70	https://doi.org/10.18280/ijht.370107	Mondal, M., Biswas, R., Shanchia, K., Hasan, M., Ahmed, S.F. (2019). Numerical investigation with stability convergence analysis of chemically hydromagnetic casson nanofluid flow in the effects of thermophoresis and Brownian motion. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 59-70. https://doi.org/10.18280/ijht.370107
901	Wan, Q., Zheng, M., Yang, S.C.	Thermal effect analysis of laser processing cemented carbide micro-texture	micro-texture, heat affected zone, element change, micro-cracks	37, 1, 71-76	https://doi.org/10.18280/ijht.370108	Wan, Q., Zheng, M., Yang, S.C. (2019). Thermal effect analysis of laser processing cemented carbide micro-texture. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 71-76. https://doi.org/10.18280/ijht.370108

902	Gerber, A.D., Gerber, E.A.	Oscillation frequency of flat ring of viscous capillary fluid	fluid mechanics, flat ring of viscous capillary fluid, oscillations	37, 1, 77-79	https://doi.org/10.18280/ijht.370109	Gerber, A.D., Gerber, E.A. (2019). Oscillation frequency of flat ring of viscous capillary fluid. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 77-79. https://doi.org/10.18280/ijht.370109
903	Shaik, S.V., Puttaranga Setty, A.B.T.	Thermodynamic analysis of window air conditioner using sustainable refrigerant R290/RE170 and R1270/RE170 blends as substitutes to refrigerant R22	COP, discharge temperature, R22 alternatives, sustainable refrigerants, volumetric cooling capacity	37, 1, 80-94	https://doi.org/10.18280/ijht.370110	Shaik, S.V., Puttaranga Setty, A.B.T. (2019). Thermodynamic analysis of window air conditioner using sustainable refrigerant R290/RE170 and R1270/RE170 blends as substitutes to refrigerant R22. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 80-94. https://doi.org/10.18280/ijht.370110
904	Zhang, S.	Curie temperature of low-dimensional ferromagnetic material	low dimension, crystal, curie temperature	37, 1, 95-99	https://doi.org/10.18280/ijht.370111	Zhang, S. (2019). Curie temperature of low-dimensional ferromagnetic material. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 95-99. https://doi.org/10.18280/ijht.370111
905	Suri Tinnaluri, N., Devanuri, J.K.	Heatline visualization for thermal transport in complex solid domains with discrete heat sources at the bottom wall	heatlines, discrete heat source, thermal transport, complex solid domains, visualization, finite volume method	37, 1, 100-108	https://doi.org/10.18280/ijht.370112	Suri Tinnaluri, N., Devanuri, J.K. (2019). Heatline visualization for thermal transport in complex solid domains with discrete heat sources at the bottom wall. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 100-108. https://doi.org/10.18280/ijht.370112
906	Zaheri, K., Bayareh, M., Nadooshan, A.A.	Numerical simulation of the motion of solid particles in a stirred tank	stirred tank, mixing, particle concentration, turbulent flow, eulerian-eulerian method, eulerian-lagrangian method	37, 1, 109-116	https://doi.org/10.18280/ijht.370113	Zaheri, K., Bayareh, M., Nadooshan, A.A. (2019). Numerical simulation of the motion of solid particles in a stirred tank. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 109-116. https://doi.org/10.18280/ijht.370113
907	Liu, H.J., Liu, Z.G., Chen, N.	Kinetics analysis on chemical reactions of hydrocarbon fuel based on computer simulation	hydrocarbon fuel, methane, numerical simulation, chemical reaction kinetics	37, 1, 117-122	https://doi.org/10.18280/ijht.370114	Liu, H.J., Liu, Z.G., Chen, N. (2019). Kinetics analysis on chemical reactions of hydrocarbon fuel based on computer simulation. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 117-122. https://doi.org/10.18280/ijht.370114
908	Chordiya, J.S., Sharma, R.V.	Study of natural convection in fluid-saturated porous thermal insulations with multiple inclined diathermal partitions	natural convection, porous medium, diathermal partition, numerical scheme	37, 1, 123-130	https://doi.org/10.18280/ijht.370115	Chordiya, J.S., Sharma, R.V. (2019). Study of natural convection in fluid-saturated porous thermal insulations with multiple inclined diathermal partitions. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 123-130. https://doi.org/10.18280/ijht.370115
909	Jain, S., Gupta, P.	Entropy generation analysis of carbon nanotubes nanofluid 3D flow along a nonlinear inclined stretching sheet through porous media	CNTs, entropy, nonlinear inclined stretching sheet, porous media	37, 1, 131-138	https://doi.org/10.18280/ijht.370116	Jain, S., Gupta, P. (2019). Entropy generation analysis of carbon nanotubes nanofluid 3D flow along a nonlinear inclined stretching sheet through porous media. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 131-138. https://doi.org/10.18280/ijht.370116
910	Xu, L.J., Wang, G.Y., Liu, T.Y., Liu, N.Z., Zhang, S.C., Sun, S.Y.	A new leakoff analysis approach for acid fracturing in naturally fractured carbonate gas reservoirs	acid fracturing, acid leakoff, main natural fracture, naturally fractured carbonate gas reservoir, acid-rock reaction	37, 1, 139-147	https://doi.org/10.18280/ijht.370117	Xu, L.J., Wang, G.Y., Liu, T.Y., Liu, N.Z., Zhang, S.C., Sun, S.Y. (2019). A new leakoff analysis approach for acid fracturing in naturally fractured carbonate gas reservoirs. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 139-147. https://doi.org/10.18280/ijht.370117
911	Neacșu, S., Eparu, C., Neacșu, A.	The optimization of internal processes from a screw compressor with oil injection to increase performances	energy, entropy, gas, irreversible, modelling, optimization, screw compressor	37, 1, 148-152	https://doi.org/10.18280/ijht.370118	Neacșu, S., Eparu, C., Neacșu, A. (2019). The optimization of internal processes from a screw compressor with oil injection to increase performances. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 148-152. https://doi.org/10.18280/ijht.370118
912	Mohammad Samee, A.D., Afzal, A., Razak, A., Ramis, M.K.	Temperature and location of hot spots variation with spacing in a vertical parallel plate channel: conjugate view	conjugate heat transfer, hot spots, optimum spacing, nuclear elements	37, 1, 153-160	https://doi.org/10.18280/ijht.370119	Mohammad Samee, A.D., Afzal, A., Razak, A., Ramis, M.K. (2019). Temperature and location of hot spots variation with spacing in a vertical parallel plate channel: conjugate view. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 153-160. https://doi.org/10.18280/ijht.370119
913	Yang, Z.	Mechanical properties of resin-grouted bolting under thermodynamic effect	resin-grouted bolting, temperature, thermodynamic effect, bolt-rock interaction	37, 1, 161-166	https://doi.org/10.18280/ijht.370120	Yang, Z. (2019). Mechanical properties of resin-grouted bolting under thermodynamic effect. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 161-166. https://doi.org/10.18280/ijht.370120
914	Meghdiri, A., Benabdallah, T., Dellil, A.Z.E.	Impact of geometry of electronic components on cooling improvement	cooling of electronic components, SST turbulence model, heat transfer, forced convection	37, 1, 167-178	https://doi.org/10.18280/ijht.370121	Meghdiri, A., Benabdallah, T., Dellil, A.Z.E. (2019). Impact of geometry of electronic components on cooling improvement. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 167-178. https://doi.org/10.18280/ijht.370121
915	Pasha, K.M.K.	Controlling the nusselt number in a TiO ₂ /R134a nano-refrigerant system	refrigeration, nano-, evaporator, heat flux, Reynolds	37, 1, 179-187	https://doi.org/10.18280/ijht.370122	Pasha, K.M.K. (2019). Controlling the nusselt number in a TiO ₂ /R134a nano-refrigerant system. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 179-187. https://doi.org/10.18280/ijht.370122
916	Zhang, D.S., Zhang, Y.X., Yang, Y., Li, B.H., Li, Q.	Numerical simulation of groundwater recharge from south-to-north water division project	water of south-to-north water division project, artificial recharge, numerical simulation, groundwater environment	37, 1, 188-196	https://doi.org/10.18280/ijht.370123	Zhang, D.S., Zhang, Y.X., Yang, Y., Li, B.H., Li, Q. (2019). Numerical simulation of groundwater recharge from south-to-north water division project. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 188-196. https://doi.org/10.18280/ijht.370123
917	Campo, A.	Comparison between approximate and exact analytical heat conduction rates in struts of rectangular profile	strut of rectangular profile, two-dimensional heat conduction, transverse biot number, slenderness ratio, temperature distribution, heat transfer rate, exact infinite series, approximate one term series	37, 1, 197-202	https://doi.org/10.18280/ijht.370124	Campo, A. (2019). Comparison between approximate and exact analytical heat conduction rates in struts of rectangular profile. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 197-202. https://doi.org/10.18280/ijht.370124
918	Nam, N.N., Lee, S.D., You, S.S., Hong Phuc, B.D.	Dynamical analysis and active control for flow instabilities in boiling microchannel	two-phase flow, boiling microchannel, pressure drop, flow instability, bifurcation, robust control	37, 1, 203-211	https://doi.org/10.18280/ijht.370125	Nam, N.N., Lee, S.D., You, S.S., Hong Phuc, B.D. (2019). Dynamical analysis and active control for flow instabilities in boiling microchannel. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 203-211. https://doi.org/10.18280/ijht.370125

919	Zheng, X.Z., Wang, X.L., Guo, J., Zhang, D., Wang, B.Y.	Experimental study on CH ₄ displacement from coal seam fractured by liquid CO ₂	low permeability, liquid CO ₂ , permeability improvement displacement, influence radius, gas drainage	37, 1, 212-218	https://doi.org/10.18280/ijht.370126	Zheng, X.Z., Wang, X.L., Guo, J., Zhang, D., Wang, B.Y. (2019). Experimental study on CH ₄ displacement from coal seam fractured by liquid CO ₂ . International Journal of Heat and Technology, Vol. 37, No. 1, pp. 212-218. https://doi.org/10.18280/ijht.370126
920	Tamene, Y., Serir, L.	Thermal and economic study on building external walls for improving energy efficiency	economical study, energy efficiency, multi-layer wall, thermal insulation	37, 1, 219-228	https://doi.org/10.18280/ijht.370127	Tamene, Y., Serir, L. (2019). Thermal and economic study on building external walls for improving energy efficiency. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 219-228. https://doi.org/10.18280/ijht.370127
921	Bennini, M.A., Koukouch, A., Bakhattar, I., Asbik, M., Boushaki, T., Sarh, B., Elorf, A., Cagnon, B., Bonnamy, S.	Characterization and combustion of olive pomace in a fixed bed boiler: Effects of particle sizes	agricultural waste, biomass, char oxidation, flue gas, grate boiler, ignition front, thermogravimetric analysis, volatile matter	37, 1, 229-238	https://doi.org/10.18280/ijht.370128	Bennini, M.A., Koukouch, A., Bakhattar, I., Asbik, M., Boushaki, T., Sarh, B., Elorf, A., Cagnon, B., Bonnamy, S. (2019). Characterization and combustion of olive pomace in a fixed bed boiler: Effects of particle sizes. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 229-238. https://doi.org/10.18280/ijht.370128
922	Shen, L.H., Wang, J.Y., Xu, S.L., Amoako-Atta, G.	Fire resistance behavior of full-scale self-thermal insulation sandwich walls made of textile-reinforced concrete	textile-reinforced concrete (TRC), self-thermal insulation sandwich wall, full-scale specimen, fire resistance, finite-element analysis	37, 1, 239-248	https://doi.org/10.18280/ijht.370129	Shen, L.H., Wang, J.Y., Xu, S.L., Amoako-Atta, G. (2019). Fire resistance behavior of full-scale self-thermal insulation sandwich walls made of textile-reinforced concrete. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 239-248. https://doi.org/10.18280/ijht.370129
923	Sánchez-Escalona, A.A., Góngora-Leyva, E.	Improvements to the heat transfer process on a hydrogen sulphide gas coolers system	hydrogen sulphide, jacketed, modeling, shell-and-tube heat exchanger, thermal analysis	37, 1, 249-256	https://doi.org/10.18280/ijht.370130	Sánchez-Escalona, A.A., Góngora-Leyva, E. (2019). Improvements to the heat transfer process on a hydrogen sulphide gas coolers system. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 249-256. https://doi.org/10.18280/ijht.370130
924	Camaraza-Medina, Y., Mortensen-Carlson, K., Guha, P., Rubio-Gonzales, Á.M., Cruz-Fonticella, O.M., García-Morales, O.F.	Suggested model for heat transfer calculation during fluid flow in single phase inside pipes (ii)	single phase, model, heat transfer coefficient, average deviation	37, 1, 257-266	https://doi.org/10.18280/ijht.370131	Camaraza-Medina, Y., Mortensen-Carlson, K., Guha, P., Rubio-Gonzales, Á.M., Cruz-Fonticella, O.M., García-Morales, O.F. (2019). Suggested model for heat transfer calculation during fluid flow in single phase inside pipes (ii). International Journal of Heat and Technology, Vol. 37, No. 1, pp. 257-266. https://doi.org/10.18280/ijht.370131
925	Xiang, J.	An elastic-plastic constitutive model of concrete based on thermodynamic principles and its application in arch dam design	concrete, constitutive model, thermodynamic principals, elastic-plastic, dam safety	37, 1, 267-272	https://doi.org/10.18280/ijht.370132	Xiang, J. (2019). An elastic-plastic constitutive model of concrete based on thermodynamic principles and its application in arch dam design. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 267-272. https://doi.org/10.18280/ijht.370132
926	Sertikul, C., Datta, A.K., Rattanadecho, P.	Effect of layer arrangement on 2-D numerical analysis of freezing process in double layer porous packed bed	freezing, solidification, double layers, layers arrangement, porous medium, permeability, freezing front, moving problem	37, 1, 273-284	https://doi.org/10.18280/ijht.370133	Sertikul, C., Datta, A.K., Rattanadecho, P. (2019). Effect of layer arrangement on 2-D numerical analysis of freezing process in double layer porous packed bed. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 273-284. https://doi.org/10.18280/ijht.370133
927	Al-Mamun, A., Arifuzzaman, S.M., Reza-E-Rabbi, S., Biswas, P., Shakhaoath, K.M.	Computational modelling on MHD radiative sisko nanofluids flow through a nonlinearly stretching sheet	stability and convergence analysis, sisko nanofluid, higher order chemical reaction, porous plate, MHD, thermal radiation	37, 1, 285-295	https://doi.org/10.18280/ijht.370134	Al-Mamun, A., Arifuzzaman, S.M., Reza-E-Rabbi, S., Biswas, P., Shakhaoath, K.M. (2019). Computational modelling on MHD radiative sisko nanofluids flow through a nonlinearly stretching sheet. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 285-295. https://doi.org/10.18280/ijht.370134
928	Ji, J., Liu, X.S., Tan, S.Y., Wang, M., Ni, W.	Effect of thermal curing on slurry stability and thermal conductivity coefficient of aerated concrete based on industrial solid wastes	aerated concrete, thermal conductivity coefficient (TCC), industrial solid wastes (ISWS), temperature slurry, flue gas desulfurization (FGD) gypsum	37, 1, 296-302	https://doi.org/10.18280/ijht.370135	Ji, J., Liu, X.S., Tan, S.Y., Wang, M., Ni, W. (2019). Effect of thermal curing on slurry stability and thermal conductivity coefficient of aerated concrete based on industrial solid wastes. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 296-302. https://doi.org/10.18280/ijht.370135
929	Prommas, R., Phiraphat, S., Rattanadecho, P.	Energy and exergy analyses of PV Roof solar collector	exergy analysis, PV roof solar collector, natural ventilated PV RSC, air flow	37, 1, 303-312	https://doi.org/10.18280/ijht.370136	Prommas, R., Phiraphat, S., Rattanadecho, P. (2019). Energy and exergy analyses of PV Roof solar collector. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 303-312. https://doi.org/10.18280/ijht.370136
930	Mapa, L.D.P.P., Mendes, B.D.M., Bortolaia, L.A., Leal, E.M.	Study of the project parameters influence in the performance of solar collectors	coefficient of energy loss, instantaneous efficiency, optical efficiency, plane solar collector, useful energy gain	37, 1, 313-321	https://doi.org/10.18280/ijht.370137	Mapa, L.D.P.P., Mendes, B.D.M., Bortolaia, L.A., Leal, E.M. (2019). Study of the project parameters influence in the performance of solar collectors. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 313-321. https://doi.org/10.18280/ijht.370137
931	Jessica, E.E., Felipe, G.M.J., José, P.S.F., Eduardo, O.S.L., Fabián, L.G.H.	Influence of the thermal conductivity of air on the moisture homogeneity of a tray dryer	computational fluid dynamics (CFD), local values, mandarin, homogeneity, dryers	37, 1, 322-326	https://doi.org/10.18280/ijht.370138	Jessica, E.E., Felipe, G.M.J., José, P.S.F., Eduardo, O.S.L., Fabián, L.G.H. (2019). Influence of the thermal conductivity of air on the moisture homogeneity of a tray dryer. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 322-326. https://doi.org/10.18280/ijht.370138
932	Al-Hemyari, M., Hamdan, M.O., Orhan, M.F.	Numerical analysis of film cooling shield formed by confined jet discharging on a flat plate	film cooling, blade thermal conductivity, adiabatic film effectiveness, centrifugal force	37, 1, 327-333	https://doi.org/10.18280/ijht.370139	Al-Hemyari, M., Hamdan, M.O., Orhan, M.F. (2019). Numerical analysis of film cooling shield formed by confined jet discharging on a flat plate. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 327-333. https://doi.org/10.18280/ijht.370139
933	Ayli, E.	Cavitation in hydraulic turbines	cavitation, Francis turbine, Pelton turbine, Kaplan turbine, hydropower	37, 1, 334-344	https://doi.org/10.18280/ijht.370140	Ayli, E. (2019). Cavitation in hydraulic turbines. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 334-344. https://doi.org/10.18280/ijht.370140
934	Hua, J., He, L., Yan, K., Wang, M.	Robotic slag offloading and process improvement of magnesium smelting in pidgeon process with faster region-based convolutional neural network	robotic slag offloading, positioning, pidgeon process, magnesium smelting, faster region-based convolutional neural network (faster r-CNN)	37, 1, 345-350	https://doi.org/10.18280/ijht.370141	Hua, J., He, L., Yan, K., Wang, M. (2019). Robotic slag offloading and process improvement of magnesium smelting in pidgeon process with faster region-based convolutional neural network. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 345-350. https://doi.org/10.18280/ijht.370141
935	Jagueneau, A., Jannot, Y., Degiovanni, A., Ding, T.T.	A steady-state method for the estimation of the thermal conductivity of a wire	wire, thermal conductivity, heat transfer coefficient, steady state, estimation method	37, 1, 351-356	https://doi.org/10.18280/ijht.370142	Jagueneau, A., Jannot, Y., Degiovanni, A., Ding, T.T. (2019). A steady-state method for the estimation of the thermal conductivity of a wire. International Journal of Heat and Technology, Vol. 37, No. 1, pp. 351-356. https://doi.org/10.18280/ijht.370142

936	Al-Abbasi, O., Sarac, B., Ayhan, T.	Experimental investigation and CFD modeling to assess the performance of solar air humidifier	humidification-dehumidification, simulation, performance analysis, evaporation rate, desalination	37, 1, 357-364	https://doi.org/10.18280/ijht.370143	Al-Abbasi, O., Sarac, B., Ayhan, T. (2019). Experimental investigation and CFD modeling to assess the performance of solar air humidifier. <i>International Journal of Heat and Technology</i> , Vol. 37, No. 1, pp. 357-364. https://doi.org/10.18280/ijht.370143
937	Apra, C., Greco, A., Maiorino, A., Masselli, C.	The environmental impact of solid-state materials working in an active caloric refrigerator compared to a vapor compression cooler	caloric refrigeration, environmental impact, Tewi analysis, solid-state materials, vapor compression, electrocaloric, elastocaloric, magnetocaloric	36, 4, 1155-1162	https://doi.org/10.18280/ijht.360401	Apra, C., Greco, A., Maiorino, A., Masselli, C. (2018). The environmental impact of solid-state materials working in an active caloric refrigerator compared to a vapor compression cooler. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1155-1162. https://doi.org/10.18280/ijht.360401
938	Hussain, S.M., Sharma, R., Seth, G.S., Mishra, M.R.	Thermal radiation impact on boundary layer dissipative flow of magneto-nanofluid over an exponentially stretching sheet	magneto-nanofluid, thermal radiation, heat absorption, viscous and joule dissipations, navier's velocity slip	36, 4, 1163-1173	https://doi.org/10.18280/ijht.360402	Hussain, S.M., Sharma, R., Seth, G.S., Mishra, M.R. (2018). Thermal radiation impact on boundary layer dissipative flow of magneto-nanofluid over an exponentially stretching sheet. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1163-1173. https://doi.org/10.18280/ijht.360402
939	Shankar, V.K., Kunar, B.M., Murthy, C.S.	Experimental investigation and statistical analysis of operational parameters on temperature rise in rock drilling	temperature, rock drilling, multiple regression, thermocouple	36, 4, 1174-1180	https://doi.org/10.18280/ijht.360403	Shankar, V.K., Kunar, B.M., Murthy, C.S. (2018). Experimental investigation and statistical analysis of operational parameters on temperature rise in rock drilling. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1174-1180. https://doi.org/10.18280/ijht.360403
940	Hu, Y., Chen, C.B.	Thermodynamic performance analysis and simulation test of composite thermal insulation wall	thermal insulation building wall, thermodynamic analysis, temperature field, temperature stress, simulation	36, 4, 1181-1186	https://doi.org/10.18280/ijht.360404	Hu, Y., Chen, C.B. (2018). Thermodynamic performance analysis and simulation test of composite thermal insulation wall. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1181-1186. https://doi.org/10.18280/ijht.360404
941	Asfar, J.A., Hamamre, Z., Owais, R.	Simulation of flameless combustion of diesel oil	flameless combustion, liquid diesel oil, adiabatic flame temperature, ANSYS/fluent software, simulation	36, 4, 1187-1192	https://doi.org/10.18280/ijht.360405	Asfar, J.A., Hamamre, Z., Owais, R. (2018). Simulation of flameless combustion of diesel oil. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1187-1192. https://doi.org/10.18280/ijht.360405
942	Moslemi, H.R., Keshtkar, M.M.	Sensitivity analysis and thermal performance optimization of evacuated U-tube solar collector using genetic algorithm	sensitivity analysis, thermal performance, optimization, evacuated u-tube, solar collector, genetic algorithm	36, 4, 1193-1202	https://doi.org/10.18280/ijht.360406	Moslemi, H.R., Keshtkar, M.M. (2018). Sensitivity analysis and thermal performance optimization of evacuated U-tube solar collector using genetic algorithm. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1193-1202. https://doi.org/10.18280/ijht.360406
943	Ba, J.J., Su, C.T., Li, Y.Q., Tu, S.Y.	Characteristics of heat flow and geothermal fields in Ruidian, Western Yunnan Province, China	ruidian geothermal field, reservoir temperature, heat flow, geothermal gradient	36, 4, 1203-1211	https://doi.org/10.18280/ijht.360407	Ba, J.J., Su, C.T., Li, Y.Q., Tu, S.Y. (2018). Characteristics of heat flow and geothermal fields in Ruidian, Western Yunnan Province, China. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1203-1211. https://doi.org/10.18280/ijht.360407
944	Abdulmunem, A.R., Jalil, J.M.	Indoor investigation and numerical analysis of PV cells temperature regulation using coupled PCM/Fins	numerical analysis, PV cell, PCM/fins, temperature regulation, improved performance	36, 4, 1212-1222	https://doi.org/10.18280/ijht.360408	Abdulmunem, A.R., Jalil, J.M. (2018). Indoor investigation and numerical analysis of PV cells temperature regulation using coupled PCM/Fins. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1212-1222. https://doi.org/10.18280/ijht.360408
945	Naksanee, W., Prommas, R.	An experimental investigation on the efficiency of snail entry in vortex tube fed low inlet air pressure to reduce temperature of low pressure air	snail entry, vortex tube, inlet air pressure	36, 4, 1223-1232	https://doi.org/10.18280/ijht.360409	Naksanee, W., Prommas, R. (2018). An experimental investigation on the efficiency of snail entry in vortex tube fed low inlet air pressure to reduce temperature of low pressure air. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1223-1232. https://doi.org/10.18280/ijht.360409
946	Chen, L.	Economic analysis and optimization of energy technology based on the matrix model thermoeconomics theory	thermoeconomics, matrix model, energy technology, economic analysis	36, 4, 1233-1239	https://doi.org/10.18280/ijht.360410	Chen, L. (2018). Economic analysis and optimization of energy technology based on the matrix model thermoeconomics theory. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1233-1239. https://doi.org/10.18280/ijht.360410
947	Toropov, E.V., Osintsev, K.V., Aliukov, S.V.	Analysis of the calculated and experimental dependencies of the combustion of coal dust on the basis of a new methodological base of theoretical studies of heat exchange processes	fuel combustion, coal dust, burning of coal particles, heat exchange	36, 4, 1240-1248	https://doi.org/10.18280/ijht.360411	Toropov, E.V., Osintsev, K.V., Aliukov, S.V. (2018). Analysis of the calculated and experimental dependencies of the combustion of coal dust on the basis of a new methodological base of theoretical studies of heat exchange processes. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1240-1248. https://doi.org/10.18280/ijht.360411
948	Sapkal, N.P.	Role of chemiluminescence and radius of curvature in the stabilization of methane/helium lifted flames	schmidt number, richardson number, buoyancy effect, chemiluminescence, edge flame speed	36, 4, 1249-1255	https://doi.org/10.18280/ijht.360412	Sapkal, N.P. (2018). Role of chemiluminescence and radius of curvature in the stabilization of methane/helium lifted flames. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1249-1255. https://doi.org/10.18280/ijht.360412
949	Li, J.W., Guan, Q., Yang, H.	Winter energy consumption in reading space of green library in cold regions	libraries, green building, natural lighting, solar energy, energy consumption	36, 4, 1256-1261	https://doi.org/10.18280/ijht.360413	Li, J.W., Guan, Q., Yang, H. (2018). Winter energy consumption in reading space of green library in cold regions. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1256-1261. https://doi.org/10.18280/ijht.360413
950	Komolafe, C.A., Oluwaleye, I.O., Adejumo, A.O.D., Waheed, M.A., Kuye, S.I.	Determination of moisture diffusivity and activation energy in the convective drying of fish	tilapia fish, convective drying, moisture diffusivity, activation energy	36, 4, 1262-1267	https://doi.org/10.18280/ijht.360414	Komolafe, C.A., Oluwaleye, I.O., Adejumo, A.O.D., Waheed, M.A., Kuye, S.I. (2018). Determination of moisture diffusivity and activation energy in the convective drying of fish. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1262-1267. https://doi.org/10.18280/ijht.360414
951	Debbah, D., Kholai, O., Filali, A.	Determination of a Hopf bifurcation of natural convection in a symmetric heated square cavity	critical rayleigh number, finite volume method, FFT, natural convection, HOPF bifurcation, transient regime	36, 4, 1268-1275	https://doi.org/10.18280/ijht.360415	Debbah, D., Kholai, O., Filali, A. (2018). Determination of a Hopf bifurcation of natural convection in a symmetric heated square cavity. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1268-1275. https://doi.org/10.18280/ijht.360415
952	Liu, W., Wang, S.L., Yang, T., Zhou, Y.	Analysis on thermodynamic performance of ancient pagodas considering flow heat transfer properties	ancient pagodas, thermodynamic performance, heat transfer properties, reflux effect, drifting	36, 4, 1276-1282	https://doi.org/10.18280/ijht.360416	Liu, W., Wang, S.L., Yang, T., Zhou, Y. (2018). Analysis on thermodynamic performance of ancient pagodas considering flow heat transfer properties. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1276-1282. https://doi.org/10.18280/ijht.360416

953	Youcef, A., Zineddine, D.A., Abed, M.	Impact of the grooves on the enhancement of heat transfer in an annular space of a rotor-stator	grooves, shear stress transport model, turbulence, heat transfer, ANSYS fluent code	36, 4, 1283-1291	https://doi.org/10.18280/ijht.360417	Youcef, A., Zineddine, D.A., Abed, M. (2018). Impact of the grooves on the enhancement of heat transfer in an annular space of a rotor-stator. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1283-1291. https://doi.org/10.18280/ijht.360417
954	Ajeel, R.K., Salim, W.S.W., Hasnan, K.	Numerical investigations of flow and heat transfer enhancement in a semicircle zigzag corrugated channel using nanofluids	heat transfer enhancement, turbulent flow, semicircle-corrugated channel, nanofluids, zigzag profile	36, 4, 1292-1303	https://doi.org/10.18280/ijht.360418	Ajeel, R.K., Salim, W.S.W., Hasnan, K. (2018). Numerical investigations of flow and heat transfer enhancement in a semicircle zigzag corrugated channel using nanofluids. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1292-1303. https://doi.org/10.18280/ijht.360418
955	Liu, S.Q., Wang, X.X., Li, L., Feng, J.S., Liao, R.Q., Wang, X.W.	Critical liquid-carrying model for horizontal gas well	horizontal gas well, liquid carrying, gas flow, liquid loading	36, 4, 1304-1309	https://doi.org/10.18280/ijht.360419	Liu, S.Q., Wang, X.X., Li, L., Feng, J.S., Liao, R.Q., Wang, X.W. (2018). Critical liquid-carrying model for horizontal gas well. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1304-1309. https://doi.org/10.18280/ijht.360419
956	Belarbi, A.A., Beriache, M., Bettahar, A.	Experimental study of aero-thermal heat sink performances subjected to impinging air flow	heat sink, impinging air jet, cooling, case temperature, thermal resistance, pressure drop	36, 4, 1310-1317	https://doi.org/10.18280/ijht.360420	Belarbi, A.A., Beriache, M., Bettahar, A. (2018). Experimental study of aero-thermal heat sink performances subjected to impinging air flow. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1310-1317. https://doi.org/10.18280/ijht.360420
957	Zheng, B., Sui, J.L.	Passive cooling influencing factors and formation mechanism analysis of the street space in Huizhou traditional dwellings	huizhou traditional dwelling, street space, passive cooling, influencing factors, formation mechanism	36, 4, 1318-1322	https://doi.org/10.18280/ijht.360421	Zheng, B., Sui, J.L. (2018). Passive cooling influencing factors and formation mechanism analysis of the street space in Huizhou traditional dwellings. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1318-1322. https://doi.org/10.18280/ijht.360421
958	Hamdi, O., Brima, A., Moumni, N., Nebbar, H.	Experimental study of the performance of an earth to air heat exchanger located in arid zone during the summer period	air-ground heat exchange, buried pipe, energy performance, soil temperature	36, 4, 1323-1329	https://doi.org/10.18280/ijht.360422	Hamdi, O., Brima, A., Moumni, N., Nebbar, H. (2018). Experimental study of the performance of an earth to air heat exchanger located in arid zone during the summer period. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1323-1329. https://doi.org/10.18280/ijht.360422
959	Moungar, H., Azzi, A., Sahli, Y., Haida, A.	Monthly fresh water yield analysis of three solar desalination units a comparative study in the south Algeria climatic condition	solar still, distilled water, shadow, immersed fins, solar irradiation flux	36, 4, 1330-1335	https://doi.org/10.18280/ijht.360423	Moungar, H., Azzi, A., Sahli, Y., Haida, A. (2018). Monthly fresh water yield analysis of three solar desalination units a comparative study in the south Algeria climatic condition. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1330-1335. https://doi.org/10.18280/ijht.360423
960	Guo, J., Liu, Y., Cheng, X.J., Yan, H., Xu, Y.Q.	A novel prediction model for the degree of rescue safety in mine thermal dynamic disasters based on fuzzy analytical hierarchy process and extreme learning machine	mine thermal dynamic disaster (MTDD), fuzzy analytical hierarchy process (FAHP), extreme learning machine (ELM), degree of rescue safety	36, 4, 1336-1342	https://doi.org/10.18280/ijht.360424	Guo, J., Liu, Y., Cheng, X.J., Yan, H., Xu, Y.Q. (2018). A novel prediction model for the degree of rescue safety in mine thermal dynamic disasters based on fuzzy analytical hierarchy process and extreme learning machine. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1336-1342. https://doi.org/10.18280/ijht.360424
961	Marahadige, S.L., Sridharmurthy, S.M., Jayraj, A.H., Mahabaleshwar, U.S., Lorenzini, G., Lorenzini, E.	Development of copper alloy by microwave hybrid heating technique and its characterization	alloy, microwaves, hybrid heating, melting, casting, SEM	36, 4, 1343-1349	https://doi.org/10.18280/ijht.360425	Marahadige, S.L., Sridharmurthy, S.M., Jayraj, A.H., Mahabaleshwar U.S., Lorenzini, G., Lorenzini, E. (2018). Development of copper alloy by microwave hybrid heating technique and its characterization. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1343-1349. https://doi.org/10.18280/ijht.360425
962	Ismail, I.A., Yusoff, M.Z., Ismail, F.B., Gunnasegaran, P.	Heat transfer enhancement with nanofluids: A review of recent applications and experiments	nanofluid, thermal conductivity, applications of nanofluids, heat transfer enhancement	36, 4, 1350-1361	https://doi.org/10.18280/ijht.360426	Ismail, I.A., Yusoff, M.Z., Ismail, F.B., Gunnasegaran, P. (2018). Heat transfer enhancement with nanofluids: A review of recent applications and experiments. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1350-1361. https://doi.org/10.18280/ijht.360426
963	Wang, Y., Hu, X.Y., Wu, S.Y.	Coupled heat and moisture transfer features of typical external thermal insulation systems	external thermal insulation (ETI), exterior wall, moisture content, coupled heat and moisture, thermal insulation effect	36, 4, 1362-1366	https://doi.org/10.18280/ijht.360427	Wang, Y., Hu, X.Y., Wu, S.Y. (2018). Coupled heat and moisture transfer features of typical external thermal insulation systems. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1362-1366. https://doi.org/10.18280/ijht.360427
964	Tassone, A., Gramiccia, L., Caruso, G.	Three-dimensional MHD flow and heat transfer in a channel with internal obstacle	magnetohydrodynamics (MHD), channel flow with obstacle, nuclear fusion reactor, 3D pressure drop, blanket engineering	36, 4, 1367-1377	https://doi.org/10.18280/ijht.360428	Tassone, A., Gramiccia, L., Caruso, G. (2018). Three-dimensional MHD flow and heat transfer in a channel with internal obstacle. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1367-1377. https://doi.org/10.18280/ijht.360428
965	Indukuri, J.V., Maniyeri, R.	Numerical study of forced convection heat transfer in an oscillating lid driven cavity with heated top wall	finite volume method, simple algorithm, oscillating lid-driven cavity, Reynolds number, Prandtl number	36, 4, 1378-1387	https://doi.org/10.18280/ijht.360429	Indukuri, J.V., Maniyeri, R. (2018). Numerical study of forced convection heat transfer in an oscillating lid driven cavity with heated top wall. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1378-1387. https://doi.org/10.18280/ijht.360429
966	Cheng, P., Zhang, J.H., Bai, D.	Establishment and optimization of fluid pipe network models based on topological analysis algorithm	topological analysis, fluid pipe network, two pipe networks, optimization	36, 4, 1388-1392	https://doi.org/10.18280/ijht.360430	Cheng, P., Zhang, J.H., Bai, D. (2018). Establishment and optimization of fluid pipe network models based on topological analysis algorithm. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1388-1392. https://doi.org/10.18280/ijht.360430
967	Priyam, A., Chand, P.	Thermal performance of wavy finned absorber solar air heater	wavy fin., thermal performance, fin spacing, mass velocity	36, 4, 1393-1403	https://doi.org/10.18280/ijht.360431	Priyam, A., Chand, P. (2018). Thermal performance of wavy finned absorber solar air heater. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1393-1403. https://doi.org/10.18280/ijht.360431
968	Belhocine, A., Abdullah, O.I.	Similarity and numerical solutions for the Léveque problem of boundary layer heat and mass transfer in Hagen-Poiseuille flow	thermal entrance region, thermal boundary layer, temperature, Nusselt number, Runge-Kutta method	36, 4, 1404-1413	https://doi.org/10.18280/ijht.360432	Belhocine, A., Abdullah, O.I. (2018). Similarity and numerical solutions for the Léveque problem of boundary layer heat and mass transfer in Hagen-Poiseuille flow. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1404-1413. https://doi.org/10.18280/ijht.360432
969	Huang, H.Y., Li, J.L., Liu, H.	Thermal analysis kinetics of Tartary buckwheat flour	tartary buckwheat flour, differential thermal analysis (DTA), thermal analysis kinetics	36, 4, 1414-1422	https://doi.org/10.18280/ijht.360433	Huang, H.Y., Li, J.L., Liu, H. (2018). Thermal analysis kinetics of Tartary buckwheat flour. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1414-1422. https://doi.org/10.18280/ijht.360433

970	Jha, B.K., Musa, M.K.	Steady state pressure driven fluid flow in a cylindrical tube filled with bidisperse porous medium	applied constant pressure gradient, bidisperse porous medium, coefficient of momentum transfer, D'alembert method, horizontal tube	36, 4, 1423-1429	https://doi.org/10.18280/ijht.360434	Jha, B.K., Musa, M.K. (2018). Steady state pressure driven fluid flow in a cylindrical tube filled with bidisperse porous medium. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1423-1429. https://doi.org/10.18280/ijht.360434
971	Kumar, A., Singh, R., Shanker, Seth, G., Tripathi, R.	Soret effect on transient magnetohydrodynamic nanofluid flow past a vertical plate through a porous medium with second order chemical reaction and thermal radiation	nanofluid, soret effect, MHD, chemical reaction, porous medium	36, 4, 1430-1437	https://doi.org/10.18280/ijht.360435	Kumar, A., Singh, R., Shanker Seth, G., Tripathi, R. (2018). Soret effect on transient magnetohydrodynamic nanofluid flow past a vertical plate through a porous medium with second order chemical reaction and thermal radiation. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1430-1437. https://doi.org/10.18280/ijht.360435
972	Jiao, H., Fang, Y.C.	Simulation and prediction of urban heat island effect of urban high-speed rail construction	urban heat island (UHI) effect, high-speed rail (HSR) construction, urbanization, surface temperature, population, greyscale theory	36, 4, 1438-1442	https://doi.org/10.18280/ijht.360436	Jiao, H., Fang, Y.C. (2018). Simulation and prediction of urban heat island effect of urban high-speed rail construction. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1438-1442. https://doi.org/10.18280/ijht.360436
973	Saadi, M.C., Bahi, L.	Effect of jet width and momentum coefficient of active control over NACA0012 airfoil using synthetic jet	control, flow separation, synthetic jet, NACA0012 profile	36, 4, 1443-1449	https://doi.org/10.18280/ijht.360437	Saadi, M.C., Bahi, L. (2018). Effect of jet width and momentum coefficient of active control over NACA0012 airfoil using synthetic jet. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1443-1449. https://doi.org/10.18280/ijht.360437
974	Parmar, A., Jain, S.	Radiative boundary-layer flow of an MHD Maxwell fluid with non-linear chemical reaction and heat source in a permeable channel	radiative boundary-layer flow, MHD maxwell fluid, non-linear chemical reaction, porous medium	36, 4, 1450-1455	https://doi.org/10.18280/ijht.360438	Parmar, A., Jain, S. (2018). Radiative boundary-layer flow of an MHD Maxwell fluid with non-linear chemical reaction and heat source in a permeable channel. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1450-1455. https://doi.org/10.18280/ijht.360438
975	Zhang, Z., Liao, R.Q., Fu, P., Su, Y.B., Luo, W., Zhang, D.X.	Critical gas velocity prediction for vortex drainage gas wells	gas well, vortex tool, drainage gas recovery, critical gas velocity, swirling flow, friction factor, prediction model, reduction amplitude	36, 4, 1456-1462	https://doi.org/10.18280/ijht.360439	Zhang, Z., Liao, R.Q., Fu, P., Su, Y.B., Luo, W., Zhang, D.X. (2018). Critical gas velocity prediction for vortex drainage gas wells. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1456-1462. https://doi.org/10.18280/ijht.360439
976	Kukreja, R., Jain, S., Aggarwal, R.S.	Two phase heat transfer and flow regimes of R-134a and R-410A during condensation in horizontal micro-fin tubes	Micro fin tubes, flow regimes, condensation heat transfer, pressure drop, helix angle	36, 4, 1463-1469	https://doi.org/10.18280/ijht.360440	Kukreja, R., Jain, S., Aggarwal, R.S. (2018). Two phase heat transfer and flow regimes of R-134a and R-410A during condensation in horizontal micro-fin tubes. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1463-1469. https://doi.org/10.18280/ijht.360440
977	Shaik, S.V., Puttaranga Ashok Babu, T.	Thermodynamic performance analysis and flammability study of various new ozone friendly non azeotropic refrigerant mixtures as alternatives to replace R22 used in residential air conditioners	COP, flammability, GWP, power savings, R22 alternatives, R32/R134a/R1270 Blend	36, 4, 1470-1481	https://doi.org/10.18280/ijht.360441	Shaik, S.V., Puttaranga Ashok Babu, T. (2018). Thermodynamic performance analysis and flammability study of various new ozone friendly non azeotropic refrigerant mixtures as alternatives to replace R22 used in residential air conditioners. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1470-1481. https://doi.org/10.18280/ijht.360441
978	Cheng, S., Xie, X.B., Minua Ampofo, G.K., Chu, J.P.	Rural household energy consumption behavior with neural network approach: A case study	energy consumption, influencing factors, rural survey, neural network	36, 4, 1482-1492	https://doi.org/10.18280/ijht.360442	Cheng, S., Xie, X.B., Minua Ampofo, G.K., Chu, J.P. (2018). Rural household energy consumption behavior with neural network approach: A case study. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1482-1492. https://doi.org/10.18280/ijht.360442
979	Bayareh, M., Nourbakhsh, A., Khadivar, M.E.	Numerical simulation of heat transfer over a flat plate with a triangular vortex generator	vortex generator, Nusselt number, triangular wings, spin angle, longitudinal vortex	36, 4, 1493-1501	https://doi.org/10.18280/ijht.360443	Bayareh, M., Nourbakhsh, A., Khadivar, M.E. (2018). Numerical simulation of heat transfer over a flat plate with a triangular vortex generator. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1493-1501. https://doi.org/10.18280/ijht.360443
980	Kumar Gharai, S., Layek, A.	Heat transfer measurement in rectangular channel with detach ribs by liquid crystal thermography	aspect ratio, detach rib, liquid crystal thermography, relative roughness pitch, thermal performance parameter	36, 4, 1502-1509	https://doi.org/10.18280/ijht.360444	Kumar Gharai, S., Layek, A. (2018). Heat transfer measurement in rectangular channel with detach ribs by liquid crystal thermography. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1502-1509. https://doi.org/10.18280/ijht.360444
981	Xu, L.J., Wang, G.Y., Liu, T.Y., Liu, N.Z., Zhang, S.C., Zhang, T.S.	Optimization of deployment pattern parameters of horizontal well fracturing in tight oil reservoirs	horizontal well fracturing (HWF), injection well, production well, tight oil reservoir, well spacing	36, 4, 1510-1516	https://doi.org/10.18280/ijht.360445	Xu, L.J., Wang, G.Y., Liu, T.Y., Liu, N.Z., Zhang, S.C., Zhang, T.S. (2018). Optimization of deployment pattern parameters of horizontal well fracturing in tight oil reservoirs. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1510-1516. https://doi.org/10.18280/ijht.360445
982	Shanker Seth, G., Kumar, R., Tripathi, R., Bhattacharyya, A.	Double diffusive MHD Casson fluid flow in a non-Darcy porous medium with Newtonian heating and thermo-diffusion effects	casson fluid, magnetic field, thermal radiation, viscous and joule dissipations, soret effect	36, 4, 1517-1527	https://doi.org/10.18280/ijht.360446	Shanker Seth, G., Kumar, R., Tripathi R., Bhattacharyya, A. (2018). Double diffusive MHD Casson fluid flow in a non-Darcy porous medium with Newtonian heating and thermo-diffusion effects. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 4, pp. 1517-1527. https://doi.org/10.18280/ijht.360446
983	Ahmadi, M.H., Hajizadeh, F., Rahimzadeh, M., Shafii, M.B., Chamkha, A.J., Lorenzini, G., Ghasempour, R.	Application GMDH artificial neural network for modeling of Al ₂ O ₃ /water and Al ₂ O ₃ /Ethylene glycol thermal conductivity	nanofluid, thermal conductivity, GMDH, Artificial	36, 3, 773-782	https://doi.org/10.18280/ijht.360301	Ahmadi, M.H., Hajizadeh, F., Rahimzadeh, M., Shafii, M.B., Chamkha, A.J., Lorenzini, G., Ghasempour, R. (2018). Application GMDH artificial neural network for modeling of Al ₂ O ₃ /water and Al ₂ O ₃ /Ethylene glycol thermal conductivity. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 773-782. https://doi.org/10.18280/ijht.360301
984	Haghighi, A.R., Aliashrafi, N.	Mathematical modeling of pulsatile blood flow and heat transfer under magnetic and vibrating environment	body acceleration, crank-nicolson scheme, heat transfer, magnetic field, stenosis	36, 3, 783-790	https://doi.org/10.18280/ijht.360302	Haghighi, A.R., Aliashrafi, N. (2018). Mathematical modeling of pulsatile blood flow and heat transfer under magnetic and vibrating environment. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 783-790. https://doi.org/10.18280/ijht.360302
985	Karoua, H., Moumni, A., Hamidat, A., Moumni, N., Aoues, K., Benchabane, A., Benchatti, A.	Experimental investigation and exergy analysis of an air heater with a solar concentrator used for drying processes	solar concentration, air heater, rectangular duct, exergy, experimental study	36, 3, 791-800	https://doi.org/10.18280/ijht.360303	Karoua, H., Moumni, A., Hamidat, A., Moumni, N., Aoues, K., Benchabane, A., Benchatti, A. (2018). Experimental investigation and exergy analysis of an air heater with a solar concentrator used for drying processes. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 791-800. https://doi.org/10.18280/ijht.360303
986	Apra, C., Greco, A., Maiorino, A., Masselli, C.	A comparison between different materials with mechanocaloric effect	caloric cooling, mechanocaloric, elastocaloric, barocaloric, caloric effect, caloric materials	36, 3, 801-807	https://doi.org/10.18280/ijht.360304	Apra, C., Greco, A., Maiorino, A., Masselli, C. (2018). A comparison between different materials with mechanocaloric effect. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 801-807. https://doi.org/10.18280/ijht.360304

987	Rangasamy, P., Murugesan, N.	Soret and hall effect on unsteady free convection flow past an infinite vertical plate with oscillatory suction velocity and variable permeability	oscillatory suction velocity, uniform magnetic field, Eckert number, hall effect, Soret effect	36, 3, 808-816	https://doi.org/10.18280/ijht.360305	Rangasamy, P., Murugesan, N. (2018). Soret and hall effect on unsteady free convection flow past an infinite vertical plate with oscillatory suction velocity and variable permeability. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 808-816. https://doi.org/10.18280/ijht.360305
988	Dai, C.Q., Long, Y.X., Lv, Y.L., Wang, X.J., Hou, W.Z.	Research on seepage-stress coupling analyses of shallow buried and dug vertical overlapping tunnels	vertical overlapping tunnel, seepage stress coupling, shallow burying, coefficient of permeability	36, 3, 817-824	https://doi.org/10.18280/ijht.360306	Dai, C.Q., Long, Y.X., Lv, Y.L., Wang, X.J., Hou, W.Z. (2018). Research on seepage-stress coupling analyses of shallow buried and dug vertical overlapping tunnels. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 817-824. https://doi.org/10.18280/ijht.360306
989	Javaherdeh, K., Vaisi, A., Moosavi, R.	The effects of fin height, fin-tube contact thickness and louver length on the performance of a compact fin-and-tube heat exchanger	compact heat exchanger, louvered fins, experimental, numerical, pressure drop, Nusselt number	36, 3, 825-834	https://doi.org/10.18280/ijht.360307	Javaherdeh, K., Vaisi, A., Moosavi, R. (2018). The effects of fin height, fin-tube contact thickness and louver length on the performance of a compact fin-and-tube heat exchanger. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 825-834. https://doi.org/10.18280/ijht.360307
990	Zhan, N.Y., Gao, Z., Deng, Y.F.	Diffusion of vehicle exhaust pollutants in typical street canyons	computational fluid dynamics (CFD), street canyon, vortex, pollutant concentration	36, 3, 835-839	https://doi.org/10.18280/ijht.360308	Zhan, N.Y., Gao, Z., Deng, Y.F. (2018). Diffusion of vehicle exhaust pollutants in typical street canyons. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 835-839. https://doi.org/10.18280/ijht.360308
991	Adibi, T.	Evaluation of using solar ammonia absorption cooling system for major cities of the Middle East	middle east, solar cooling, HVAC, EES, cooling load	36, 3, 840-846	https://doi.org/10.18280/ijht.360309	Adibi, T. (2018). Evaluation of using solar ammonia absorption cooling system for major cities of the Middle East. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 840-846. https://doi.org/10.18280/ijht.360309
992	Yu, Y., Xu, X., Hao, W.X.	Study on the wall optimization of solar greenhouse based on temperature field experiment and CFD simulation	greenhouse, temperature field, experiment, CFD, wall optimization	36, 3, 847-854	https://doi.org/10.18280/ijht.360310	Yu, Y., Xu, X., Hao, W.X. (2018). Study on the wall optimization of solar greenhouse based on temperature field experiment and CFD simulation. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 847-854. https://doi.org/10.18280/ijht.360310
993	Chabane F., Moumimi N., Brima A.	Experimental study of thermal efficiency of a solar air heater with an irregularity element on absorber plate	semi-cylindrical baffle, thermal efficiency, outlet temperature, solar irradiation, flat plate	36, 3, 855-860	https://doi.org/10.18280/ijht.360311	Chabane, F., Moumimi, N., Brima, A. (2018). Experimental study of thermal efficiency of a solar air heater with an irregularity element on absorber plate. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 855-860. https://doi.org/10.18280/ijht.360311
994	Wang H., Qin Y.P., Han X.X., Liu E.L., Dong Z.Y.	Dimensionless analysis of transient temperature field of surrounding rock in roadway based on Finite Volume Method	similar simulation experiment, transient, roadway, dimensionless, unstable heat transfer criterion	36, 3, 861-868	https://doi.org/10.18280/ijht.360312	Wang, H., Qin, Y.P., Han, X.X., Liu, E.L., Dong, Z.Y. (2018). Dimensionless analysis of transient temperature field of surrounding rock in roadway based on Finite Volume Method. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 861-868. https://doi.org/10.18280/ijht.360312
995	Ingole S.B., Sundaram K.K.	Investigation of maximum Nusselt number with inclined and non-confined offset jet impingement cooling	convective cooling, maximum nusselt number, inclined jet, nonconfined jet, offset jet	36, 3, 869-876	https://doi.org/10.18280/ijht.360313	Ingole, S.B., Sundaram, K.K. (2018). Investigation of maximum Nusselt number with inclined and non-confined offset jet impingement cooling. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 869-876. https://doi.org/10.18280/ijht.360313
996	Wei W., Mei H.Z., Xue P.	Fibre Bragg Grating sensing based temperature monitoring system of power transformer	fibre bragg grating sensor, power transformer, monitoring system, GAAS material	36, 3, 877-882	https://doi.org/10.18280/ijht.360314	Wei, W., Mei, H.Z., Xue, P. (2018). Fibre Bragg Grating sensing based temperature monitoring system of power transformer. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 877-882. https://doi.org/10.18280/ijht.360314
997	Mehrabi S., Kheradmand S., Farivar O.R.	Numerical simulation of thermal and hydraulic performance of a micro plate-pin fin heat sink	heat sink, hydraulic performance, thermal performance, numerical simulation	36, 3, 883-894	https://doi.org/10.18280/ijht.360315	Mehrabi, S., Kheradmand, S., Farivar, O.R. (2018). Numerical simulation of thermal and hydraulic performance of a micro plate-pin fin heat sink. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 883-894. https://doi.org/10.18280/ijht.360315
998	Li H., Wang X.H., Li W.Y., Yin B.Q., Xu Y.	Impact of energy storage system on the point of common coupling of the distribution network containing photovoltaic plant	Photovoltaic/Energy Storage (PV/ES) System, real time digital simulator (RTDS), point of common coupling (PCC), temperature, effective voltage	36, 3, 895-903	https://doi.org/10.18280/ijht.360316	Li, H., Wang, X.H., Li, W.Y., Yin, B.Q., Xu, Y. (2018). Impact of energy storage system on the point of common coupling of the distribution network containing photovoltaic plant. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 895-903. https://doi.org/10.18280/ijht.360316
999	Ghasemkhani A., Farahat S., Naserian M.M.	Thermodynamic investigation and optimization Tri-generation system for the provision of power, heating, and cooling: A case study of Zahedan, Iran	exergy analysis, kalina cycle, trigeneration, solar energy, finite time thermodynamics	36, 3, 904-912	https://doi.org/10.18280/ijht.360317	Ghasemkhani, A., Farahat, S., Naserian, M.M. (2018). Thermodynamic investigation and optimization Tri-generation system for the provision of power, heating, and cooling: A case study of Zahedan, Iran. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 904-912. https://doi.org/10.18280/ijht.360317
1000	Tian F., Cao W.D., Dai X.L., Ou M.X.	Flow characteristics of the new type of mixer in wastewater treatment	new type of mixer, CFD, flow filed, simulation, fluid dynamics	36, 3, 913-918	https://doi.org/10.18280/ijht.360318	Tian, F., Cao, W.D., Dai, X.L., Ou, M.X. (2018). Flow characteristics of the new type of mixer in wastewater treatment. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 913-918. https://doi.org/10.18280/ijht.360318
1001	Benlekkam M.L., Nehari D., Madani H.I.	The thermal impact of the fin tilt angle and its orientation on performance of PV cell using PCM	phase change material, latent heat, thermal regulation, photovoltaic cell, PV cooling	36, 3, 919-926	https://doi.org/10.18280/ijht.360319	Benlekkam, M.L., Nehari, D., Madani, H.I. (2018). The thermal impact of the fin tilt angle and its orientation on performance of PV cell using PCM. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 919-926. https://doi.org/10.18280/ijht.360319
1002	Yang P.Y., Wu X.E., Chen J.H.	Elastic and plastic-flow damage constitutive model of rock based on conventional triaxial compression test	rock, damage mechanics, strain softening, brittleness, plastic flow, dilatancy	36, 3, 927-935	https://doi.org/10.18280/ijht.360320	Yang, P.Y., Wu, X.E., Chen, J.H. (2018). Elastic and plastic-flow damage constitutive model of rock based on conventional triaxial compression test. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 927-935. https://doi.org/10.18280/ijht.360320
1003	Arifuzzaman S.M., Mehedi F.U., Al-Mamun A., Biswas P., Islam R., Khan S.	Magnetohydrodynamic micropolar fluid flow in presence of nanoparticles through porous plate: A numerical study	micropolar fluid, nanoparticles, radiation absorption, chemical reaction, thermal radiation, stability and convergence analysis	36, 3, 936-948	https://doi.org/10.18280/ijht.360321	Arifuzzaman, S.M., Mehedi, F.U., Al-Mamun, A., Biswas, P., Islam, R., Khan, S. (2018). Magnetohydrodynamic micropolar fluid flow in presence of nanoparticles through porous plate: A numerical study. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 936-948. https://doi.org/10.18280/ijht.360321

1004	Zhong R.C., Peng Z.B., Jiang H.D.	Mechanism of heat transfer for gas-liquid two-phase flow in deep drilling	drilling fluid, density, rheology, heat transfer mechanism, gas-liquid twophase	36, 3, 949-954	https://doi.org/10.18280/ijht.360322	Zhong, R.C., Peng, Z.B., Jiang, H.D. (2018). Mechanism of heat transfer for gas-liquid two-phase flow in deep drilling. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 949-954. https://doi.org/10.18280/ijht.360322
1005	Warkhade G.S., Babu A.V.	Impact of supercharging and compression ratio on performance characteristics in a single cylinder DICl engine	compression ignition engine, biodiesel, combustion, linum usitatissimum, performance, supercharging	36, 3, 955-961	https://doi.org/10.18280/ijht.360323	Warkhade, G.S., Babu, A.V. (2018). Impact of supercharging and compression ratio on performance characteristics in a single cylinder DICl engine. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 955-961. https://doi.org/10.18280/ijht.360323
1006	Tu J.Z., Ma D.L.	A spatial economics perspective on convergence research of carbon emissions performance in China	carbon emissions performance, convergence, spatial economics, China	36, 3, 962-972	https://doi.org/10.18280/ijht.360324	Tu, J.Z., Ma, D.L. (2018). A spatial economics perspective on convergence research of carbon emissions performance in China. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 962-972. https://doi.org/10.18280/ijht.360324
1007	Bal S., Mishra P.C., Satapathy A.K.	Optimization of spray parameters for effective microchannel cooling using surface response methodology	heat transfer, microchannel cooling, optimization, response surface method, spray impingement	36, 3, 973-980	https://doi.org/10.18280/ijht.360325	Bal, S., Mishra, P.C., Satapathy, A.K. (2018). Optimization of spray parameters for effective microchannel cooling using surface response methodology. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 973-980. https://doi.org/10.18280/ijht.360325
1008	Zheng M.G., Zhang Y.K., Shi L.	Research on selective non-catalytic NOx reduction (SNCR) for diesel engine	40% methylamine aqueous solution, selective non-catalytic reduction (SNCR), NO, numerical simulation	36, 3, 981-986	https://doi.org/10.18280/ijht.360326	Zheng, M.G., Zhang, Y.K., Shi, L. (2018). Research on selective non-catalytic NOx reduction (SNCR) for diesel engine. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 981-986. https://doi.org/10.18280/ijht.360326
1009	Sharma B., Kumar S., Paswan M.K.	Analytical solution for mixed convection and MHD flow of electrically conducting non-Newtonian nanofluid with different nanoparticles: A comparative study	homotopy analysis method (HAM), magnetic parameter, MHD flow, nanofluid, ordinary differential equation (ODE) sodium alginate	36, 3, 987-996	https://doi.org/10.18280/ijht.360327	Sharma, B., Kumar, S., Paswan, M.K. (2018). Analytical solution for mixed convection and MHD flow of electrically conducting non-Newtonian nanofluid with different nanoparticles: A comparative study. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 987-996. https://doi.org/10.18280/ijht.360327
1010	Wang F., Shui A.S., Zeng L.B.	Leak detection method for bottom plate of oil tank based on oil/gas leak detection	Oil/Gas leak detection, fuzzy evaluation, Oil/gas collection	36, 3, 997-1004	https://doi.org/10.18280/ijht.360328	Wang, F., Shui, A.S., Zeng, L.B. (2018). Leak detection method for bottom plate of oil tank based on oil/gas leak detection. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 997-1004. https://doi.org/10.18280/ijht.360328
1011	Bishnoi P., Sinha M.K.	Influence of the wettability nature of the nozzle wall on the dynamics of drop formation	contact angle, drop formation, volume of fluid, wettability	36, 3, 1005-1009	https://doi.org/10.18280/ijht.360329	Bishnoi, P., Sinha, M.K. (2018). Influence of the wettability nature of the nozzle wall on the dynamics of drop formation. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1005-1009. https://doi.org/10.18280/ijht.360329
1012	Yu J.L., Qu C.G., Wang X.	Experimental study on flow distribution in micro backflow combustor	flow distribution, backflow combustor, plugging method, thermistor, micro jet engine	36, 3, 1010-1014	https://doi.org/10.18280/ijht.360330	Yu, J.L., Qu, C.G., Wang, X. (2018). Experimental study on flow distribution in micro backflow combustor. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1010-1014. https://doi.org/10.18280/ijht.360330
1013	Das M., Mahatha B.K., Nandkeolyar R., Sarkar S.	Double-diffusive mixed convection flow towards a convectively heated stretching sheet with nonlinear thermal radiation	mixed convection, nanofluid flow, nonlinear thermal radiation, convective heat transfer partial slip, brownian motion, thermophoresis	36, 3, 1015-1024	https://doi.org/10.18280/ijht.360331	Das, M., Mahatha, B.K., Nandkeolyar, R., Sarkar, S. (2018). Double-diffusive mixed convection flow towards a convectively heated stretching sheet with nonlinear thermal radiation. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1015-1024. https://doi.org/10.18280/ijht.360331
1014	Zhang Y.X., Zhang Y.L.	Characteristics analysis of mechanical seal face based on thermo-hydrodynamic effect	thermo-hydrodynamic effect, mechanical seal, face characteristics, heat transfer characteristic	36, 3, 1025-1030	https://doi.org/10.18280/ijht.360332	Zhang, Y.X., Zhang, Y.L. (2018). Characteristics analysis of mechanical seal face based on thermo-hydrodynamic effect. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1025-1030. https://doi.org/10.18280/ijht.360332
1015	Allesina G., Cingi P., Gessani G., Angeli D.	Exploratory modeling and experimental investigation of a vibrating-stripe wind energy converter	windbelt, fluttering, modeling, wind energy	36, 3, 1031-1036	https://doi.org/10.18280/ijht.360333	Allesina, G., Cingi, P., Gessani, G., Angeli, D. (2018). Exploratory modeling and experimental investigation of a vibrating-stripe wind energy converter. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1031-1036. https://doi.org/10.18280/ijht.360333
1016	Lv S.J., Gao F., Li C.G.	Numerical simulation of 3D turbulent bend flow based on unstructured grids	continuous bands, 3D water flow, unstructured grids, finite-volume method, numerical simulation	36, 3, 1037-1046	https://doi.org/10.18280/ijht.360334	Lv, S.J., Gao, F., Li, C.G. (2018). Numerical simulation of 3D turbulent bend flow based on unstructured grids. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1037-1046. https://doi.org/10.18280/ijht.360334
1017	Ghachem K., Hassen W., Maatki C., Kolsi L., Al-Rashed A.A.A.A., Borjini M.N.	Numerical simulation of 3D natural convection and entropy generation in a cubic cavity equipped with an adiabatic baffle	FVM, 3D natural convection, baffle, entropy generation	36, 3, 1047-1054	https://doi.org/10.18280/ijht.360335	Ghachem, K., Hassen, W., Maatki, C., Kolsi, L., Al-Rashed, A.A.A.A., Borjini, M.N. (2018). Numerical simulation of 3D natural convection and entropy generation in a cubic cavity equipped with an adiabatic baffle. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1047-1054. https://doi.org/10.18280/ijht.360335
1018	Wei Y., Wang L., Yang G.S.	Temperature field distribution of a freeze sinking shaft under seepage conditions in cretaceous formation of Western China	artificial freezing, temperature field, seepage, closure	36, 3, 1055-1060	https://doi.org/10.18280/ijht.360336	Wei, Y., Wang, L., Yang, G.S. (2018). Temperature field distribution of a freeze sinking shaft under seepage conditions in cretaceous formation of Western China. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1055-1060. https://doi.org/10.18280/ijht.360336
1019	Akbari E., Karami A.M., Ashjaee M.	Modeling the free convection in an open round cavity using a hybrid approach of Jaya optimization algorithm and neural network	free convection, jaya-based neural network, hybrid model, mach-zehnder interferometer, open round cavity	36, 3, 1061-1069	https://doi.org/10.18280/ijht.360337	Akbari, E., Karami, A.M., Ashjaee, M. (2018). Modeling the free convection in an open round cavity using a hybrid approach of Jaya optimization algorithm and neural network. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1061-1069. https://doi.org/10.18280/ijht.360337
1020	Guelailia A., Khorsi A., Boudjemai A., Wang J.	Thermal protection of rocket nozzle by using film cooling technology - effect of lateral curvature	computational fluid dynamics, heat and mass transfer, thermal protection, rocket nozzle, film cooling, propulsion	36, 3, 1070-1074	https://doi.org/10.18280/ijht.360338	Guelailia, A., Khorsi, A., Boudjemai, A., Wang, J. (2018). Thermal protection of rocket nozzle by using film cooling technology - effect of lateral curvature. International Journal of Heat and Technology, Vol. 36, No. 3, pp. 1070-1074. https://doi.org/10.18280/ijht.360338

1021	Zhang X.X.	Modelling of the thermal conductivity in cold chain logistics based on micro-PCMs	thermal conductivity, micro-PCMs, fractal theory, thermally conductive fluid	36, 3, 1075-1080	https://doi.org/10.18280/ijht.360339	Zhang, X.X. (2018). Modelling of the thermal conductivity in cold chain logistics based on micro-PCMs. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1075-1080. https://doi.org/10.18280/ijht.360339
1022	Bazgir A., Heydari A.	CFD optimization of injection nozzles geometric dimensions of RHVT-machines in order to enhance the cooling capability	vortex tube, nozzle, temperature separation, numerical modeling, vortex chamber, reversed flows	36, 3, 1081-1093	https://doi.org/10.18280/ijht.360340	Bazgir, A., Heydari, A. (2018). CFD optimization of injection nozzles geometric dimensions of RHVT-machines in order to enhance the cooling capability. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1081-1093. https://doi.org/10.18280/ijht.360340
1023	Zhou B., Wang H.Y., Wang X.D., Ji J.H.	Permeability and stability of soilbags in slope protection structures	soilbag, filtration characteristic, permeability coefficient, gradient ratio, seepage pressure	36, 3, 1094-1100	https://doi.org/10.18280/ijht.360341	Zhou, B., Wang, H.Y., Wang, X.D., Ji, J.H. (2018). Permeability and stability of soilbags in slope protection structures. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1094-1100. https://doi.org/10.18280/ijht.360341
1024	Asfar J.A., Alkhali S., Sakhrieh A., Al-Domeri H.	2-D numerical modeling of flame behavior under electric field effect	combustion simulation, electric field effect, ionic species, fluent software, premixed combustion stability	36, 3, 1101-1106	https://doi.org/10.18280/ijht.360342	Asfar, J.A., Alkhali, S., Sakhrieh, A., Al-Domeri, H. (2018). 2-D numerical modeling of flame behavior under electric field effect. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1101-1106. https://doi.org/10.18280/ijht.360342
1025	Ghritlahre H.K., Prasad R.K.	Prediction of exergetic efficiency of arc shaped wire roughened solar air heater using ANN model	solar air heater, artificial neural network, exergy efficiency, learning algorithm, multi-layer perceptron	36, 3, 1107-1115	https://doi.org/10.18280/ijht.360343	Ghritlahre, H.K., Prasad, R.K. (2018). Prediction of exergetic efficiency of arc shaped wire roughened solar air heater using ANN model. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1107-1115. https://doi.org/10.18280/ijht.360343
1026	Jiao Y.L., Wang X.H.	Comparative experiment of enhanced heat transfer performance between water-based magnetic fluid heat pipe and ordinary water heat pipe under magnetic field	heat pipe, enhanced heat transfer, heat transfer rate	36, 3, 1116-1120	https://doi.org/10.18280/ijht.360344	Jiao, Y.L., Wang, X.H. (2018). Comparative experiment of enhanced heat transfer performance between water-based magnetic fluid heat pipe and ordinary water heat pipe under magnetic field. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1116-1120. https://doi.org/10.18280/ijht.360344
1027	Gorantla K.K., Shaik S., Setty A.B.T.P.R.	Day lighting and thermal analysis using various double reflective window glasses for green energy buildings	spectral characteristics, visible optical properties, solar optical properties and double gold reflective glass window	36, 3, 1121-1129	https://doi.org/10.18280/ijht.360345	Gorantla, K.K., Shaik, S., Setty, A.B.T.P.R. (2018). Day lighting and thermal analysis using various double reflective window glasses for green energy buildings. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1121-1129. https://doi.org/10.18280/ijht.360345
1028	Xu C.D., Wang R.R., Liu H., Zhang R., Wang M.Y., Wang Y.	Flow pattern and anti-silt measures of straight-edge forebay in large pump stations	forebay of pump station, silt accumulation, numerical simulation, trapezoid diversion pier, 45° pressure plate	36, 3, 1130-1139	https://doi.org/10.18280/ijht.360346	Xu, C.D., Wang, R.R., Liu, H., Zhang, R., Wang, M.Y., Wang, Y. (2018). Flow pattern and anti-silt measures of straight-edge forebay in large pump stations. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1130-1139. https://doi.org/10.18280/ijht.360346
1029	Khoualdi T., Rouabah M.S., Bouraoui M., Abidi-Saad A., Polidori G.	Free convection heat transfer in an inclined channel asymmetrically heated in laminar regime	natural convection, asymmetric heating, inclined channel, Pv panels, roof-top DSF	36, 3, 1140-1147	https://doi.org/10.18280/ijht.360347	Khoualdi, T., Rouabah, M.S., Bouraoui, M., Abidi-Saad, A., Polidori, G. (2018). Free convection heat transfer in an inclined channel asymmetrically heated in laminar regime. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1140-1147. https://doi.org/10.18280/ijht.360347
1030	Guo Q.J., Qi X.N., Yin Q., Qu X.H.	VOF simulation studies on binary seawater droplets collision	adaptive mesh, droplet collision, seawater, VOF method	36, 3, 1148-1153	https://doi.org/10.18280/ijht.360348	Guo, Q.J., Qi, X.N., Yin, Q., Qu, X.H. (2018). VOF simulation studies on binary seawater droplets collision. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 3, pp. 1148-1153. https://doi.org/10.18280/ijht.360348
1031	Caldera M., Puglisi G., Zanghirella F., Ungaro P., Cammarata G.	Numerical modelling of the thermal energy demand in Italian households through statistical data	energy consumption, households, numerical model, statistical survey	36, 2, 381-390	https://doi.org/10.18280/ijht.360201	Caldera, M., Puglisi, G., Zanghirella, F., Ungaro, P., Cammarata, G. (2018). Numerical modelling of the thermal energy demand in Italian households through statistical data. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 381-390. https://doi.org/10.18280/ijht.360201
1032	Du W.H., Li Y.C., Li L.F., Lorenzini G.L.	A quasi-one-dimensional model for the centrifugal compressors performance simulations	centrifugal compressor, quasi-one-dimensional, numerical simulation, loss models	36, 2, 391-396	https://doi.org/10.18280/ijht.360202	Du, W.H., Li, Y.C., Li, L.F., Lorenzini, G.L. (2018). A quasi-one-dimensional model for the centrifugal compressors performance simulations. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 391-396. https://doi.org/10.18280/ijht.360202
1033	Zahan I., Alim M.A.	Effect of conjugate heat transfer on flow of nanofluid in a rectangular enclosure	conjugate natural convection, nanofluid, finite element method, enclosure	36, 2, 397-405	https://doi.org/10.18280/ijht.360203	Zahan, I., Alim, M.A. (2018). Effect of conjugate heat transfer on flow of nanofluid in a rectangular enclosure. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 397-405. https://doi.org/10.18280/ijht.360203
1034	Zhang R.L.	Measurement and correlation of excess molar enthalpies and vapor-liquid equilibria for alkanolamine-water system	alkanolamines, vapor-liquid equilibria, NRT equations, measurement and correlation	36, 2, 406-410	https://doi.org/10.18280/ijht.360204	Zhang, R.L. (2018). Measurement and correlation of excess molar enthalpies and vapor-liquid equilibria for alkanolamine-water system. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 406-410. https://doi.org/10.18280/ijht.360204
1035	Chandrasekar M., Kasiviswanathan M.S.	Variational approach to MHD stagnation flow of nanofluid towards permeable stretching sheet	Gyarmati's variational principle, nanofluid, stagnation flow, stretching sheet, suction / injection	36, 2, 411-421	https://doi.org/10.18280/ijht.360205	Chandrasekar, M., Kasiviswanathan, M. S. (2018). Variational approach to MHD stagnation flow of nanofluid towards permeable stretching sheet. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 411-421. https://doi.org/10.18280/ijht.360205
1036	Seelam R.	Study of hall current, radiation and velocity slip on hydromagnetic physiological hemodynamic fluid with porous medium through joule heating and mass transfer in presence of chemical reaction	chemical reaction, hall current, porosity parameter, joule heating, mass transfer radiation	36, 2, 422-432	https://doi.org/10.18280/ijht.360206	Seelam, R. (2018). Study of hall current, radiation and velocity slip on hydromagnetic physiological hemodynamic fluid with porous medium through joule heating and mass transfer in presence of chemical reaction. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 422-432. https://doi.org/10.18280/ijht.360206
1037	Li M.Q., Yang K., Zhao J.F., Luo J.B., Li N.	One-way fluid-solid coupling analysis of subsurface safety valve plate	subsurface safety valve, fluid-solid coupling, opening resistance, resistance torque	36, 2, 433-438	https://doi.org/10.18280/ijht.360207	Li, M.Q., Yang, K., Zhao, J.F., Luo, J.B., Li, N. (2018). One-way fluid-solid coupling analysis of subsurface safety valve plate. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 433-438. https://doi.org/10.18280/ijht.360207

1038	Raju K.	Effect of temperature dependent viscosity on ferrothermohaline convection saturating an anisotropic porous medium with Soret effect using the Galerkin technique	thermohaline convection, ferrofluid, anisotropy porous medium, soret effect, brinkman model, temperature dependent viscosity, galerkin technique	36, 2, 439-446	https://doi.org/10.18280/ijht.360208	Raju, K. (2018). Effect of temperature dependent viscosity on ferrothermohaline convection saturating an anisotropic porous medium with Soret effect using the Galerkin technique. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 439-446. https://doi.org/10.18280/ijht.360208
1039	Doghmi H., Abourida B., Belarche L., Sannad M., Ouzzaoui M.	Numerical study of mixed convection inside a three-dimensional ventilated cavity in the presence of an isothermal heating block	mixed convection, ventilated cavity, heated block, three-dimensional, numerical study	36, 2, 447-456	https://doi.org/10.18280/ijht.360209	Doghmi, H., Abourida, B., Belarche, L., Sannad, M., Ouzzaoui, M. (2018). Numerical study of mixed convection inside a three-dimensional ventilated cavity in the presence of an isothermal heating block. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 447-456. https://doi.org/10.18280/ijht.360209
1040	Cai N., Zhang D.L., Huang C.	A study on stratified air conditioning cooling load calculation model for a large space building	calculation model, stratified air conditioning, cooling load, large space building	36, 2, 457-462	https://doi.org/10.18280/ijht.360210	Cai, N., Zhang, D.L., Huang, C. (2018). A study on stratified air conditioning cooling load calculation model for a large space building. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 457-462. https://doi.org/10.18280/ijht.360210
1041	Kouider M., Dominique S., Djalle Z., Abdelkader Y.	Effects of the dimple geometry on the isothermal performance of a hydrodynamic textured tiltingpad thrust bearing	dimple geometry, hydrodynamic lubrication, pressure distribution, tiltingpad thrust bearings	36, 2, 463-472	https://doi.org/10.18280/ijht.360211	Kouider, M., Dominique, S., Djalle, Z., Abdelkader, Y. (2018). Effects of the dimple geometry on the isothermal performance of a hydrodynamic textured tiltingpad thrust bearing. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 463-472. https://doi.org/10.18280/ijht.360211
1042	Kamran M.	Heat source/sink and Newtonian heating effects on convective micropolar fluid flow over a stretching/shrinking sheet with slip flow model	micropolar fluid, stretching/shrinking sheet, slip flow model, Newtonian heating	36, 2, 473-482	https://doi.org/10.18280/ijht.360212	Kamran, M. (2018). Heat source/sink and Newtonian heating effects on convective micropolar fluid flow over a stretching/shrinking sheet with slip flow model. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 473-482. https://doi.org/10.18280/ijht.360212
1043	Fu X.G., Tang Z.H., Lv W.B., Wang X.M., Yan B.Z.	Exploitation potential of groundwater in Yangzhuang Basin, China under recharge enhancement	Yangzhuang basin, karst groundwater system, recharge enhancement, numerical simulation, exploitation potential	36, 2, 483-493	https://doi.org/10.18280/ijht.360213	Fu, X.G., Tang, Z.H., Lv, W.B., Wang, X.M., Yan, B.Z. (2018). Exploitation potential of groundwater in Yangzhuang Basin, China under recharge enhancement. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 483-493. https://doi.org/10.18280/ijht.360213
1044	Rajakumar K.V.B., Balamurugan K.S., Umasankara Reddy M., Ramana Murthy C.V.	Radiation, dissipation and Dufour effects on MHD free convection Casson fluid flow through a vertical oscillatory porous plate with ion-slip current	dufour, radiation absorption, viscous dissipation, hall effect, ion-slip effects, MHD, chemical reaction, perturbation law	36, 2, 494-508	https://doi.org/10.18280/ijht.360214	Rajakumar, K.V.B., Balamurugan, K.S., Umasankara Reddy, M., Ramana Murthy, C.V. (2018). Radiation, dissipation and Dufour effects on MHD free convection Casson fluid flow through a vertical oscillatory porous plate with ion-slip current. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 494-508. https://doi.org/10.18280/ijht.360214
1045	Hatami M.	Different shapes of Fe ₃ O ₄ nanoparticles on the free convection and entropy generation in a wavywall square cavity filled by power-law non-Newtonian nanofluid	nanofluid, entropy generation, wavy cavity, natural convection, nonnewtonian	36, 2, 509-524	https://doi.org/10.18280/ijht.360215	Hatami, M. (2018). Different shapes of Fe ₃ O ₄ nanoparticles on the free convection and entropy generation in a wavywall square cavity filled by power-law non-Newtonian nanofluid. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 509-524. https://doi.org/10.18280/ijht.360215
1046	El-Sayed S.A., El-Sayed M.K.	Investigation of combustion and emissions of mixture of a wheat dust with binder pellet in a fixedbed combustor	wheat dust pellets, combustion and gaseous emission characteristics, internal ignition temperature, experimental correlations, ash analysis	36, 2, 525-542	https://doi.org/10.18280/ijht.360216	El-Sayed, S.A., El-Sayed, M.K. (2018). Investigation of combustion and emissions of mixture of a wheat dust with binder pellet in a fixedbed combustor. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 525-542. https://doi.org/10.18280/ijht.360216
1047	Li R., Liao R.Q.	Research on estimation of optical fiber probe gas holdup based on the adaptive weighted data fusion algorithm	three-phase flow, gas holdup, fiber optic probe, adaptive weighted	36, 2, 543-547	https://doi.org/10.18280/ijht.360217	Li, R., Liao, R.Q. (2018). Research on estimation of optical fiber probe gas holdup based on the adaptive weighted data fusion algorithm. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 543-547. https://doi.org/10.18280/ijht.360217
1048	Rani H.P., Narayana V., Rameshwar Y.	Analysis of vortical structures in a differentially heated lid driven cubical cavity	mixed convection, Reynolds number, Richardson number, vortex Coreline	36, 2, 548-556	https://doi.org/10.18280/ijht.360218	Rani, H.P., Narayana, V., Rameshwar, Y. (2018). Analysis of vortical structures in a differentially heated lid driven cubical cavity. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 548-556. https://doi.org/10.18280/ijht.360218
1049	Benseddik A., Azzi A., Khanniche R., Allaf A.K.	Simulation study of solar air collector with offset strip fin absorber plate for drying agricultural products in a semi-arid climate	solar drying, mathematical modeling, numerical simulation, parametric investigation, optimal air mass flow rate	36, 2, 557-568	https://doi.org/10.18280/ijht.360219	Benseddik, A., Azzi, A., Khanniche, R., Allaf, A.K. (2018). Simulation study of solar air collector with offset strip fin absorber plate for drying agricultural products in a semi-arid climate. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 557-568. https://doi.org/10.18280/ijht.360219
1050	Tian Q.Q., Gu L.C.	Speed stiffness characteristics of electro-hydro-mechanical system	electro-hydro-mechanical system (EHMS), variable speed pumpcontrolled hydraulic motor system (VSPCMS), speed stiffness, multiparameter coupling	36, 2, 569-574	https://doi.org/10.18280/ijht.360220	Tian, Q.Q., Gu, L.C. (2018). Speed stiffness characteristics of electro-hydro-mechanical system. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 569-574. https://doi.org/10.18280/ijht.360220
1051	Vasco D.A., Salinas C., Moraga N., Lemus-Mondaca R.	Numerical heat transfer during Herschel-Bulkley fluid natural convection by CVFEM	free convection, heat transfer, nonnewtonian fluid, CVFEM	36, 2, 575-584	https://doi.org/10.18280/ijht.360221	Vasco, D.A., Salinas, C., Moraga, N., Lemus-Mondaca, R. (2018). Numerical heat transfer during Herschel-Bulkley fluid natural convection by CVFEM. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 575-584. https://doi.org/10.18280/ijht.360221
1052	Jain S., Parmar A.	Multiple slip effects on inclined MHD Casson fluid flow over a permeable stretching surface and a melting surface	non-linear radiation, non-linear heat source, melting surface, permeable surface, casson fluid	36, 2, 585-594	https://doi.org/10.18280/ijht.360222	Jain, S., Parmar, A. (2018). Multiple slip effects on inclined MHD Casson fluid flow over a permeable stretching surface and a melting surface. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 585-594. https://doi.org/10.18280/ijht.360222
1053	Li X.Y., Liu J.	Thermal expansion effect on thickness-shear vibrations in a piezoelectric quartz filter with dot-ring electrodes	quartz crystals, thickness-shear vibration, filter, thermal expansion effect	36, 2, 595-601	https://doi.org/10.18280/ijht.360223	Li, X.Y., Liu, J. (2018). Thermal expansion effect on thickness-shear vibrations in a piezoelectric quartz filter with dot-ring electrodes. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 595-601. https://doi.org/10.18280/ijht.360223
1054	Khan W.M., Shah W.H., Khan S., Shah S., Syed W.A., Safeen A., Safeen K.	Enhanced of thermoelectric properties and effects of Sb doping on the electrical properties of Tl ₁₀ -xSb _x Te ₉ nano-particles	sb-doped tellurium telluride nanomaterials, electron holes competition, seebeck co-efficient, electrical conductivity, power factor	36, 2, 602-606	https://doi.org/10.18280/ijht.360224	Khan, W.M., Shah, W.H., Khan, S., Shah, S., Syed, W.A., Safeen, A., Safeen, K. (2018). Enhanced of thermoelectric properties and effects of Sb doping on the electrical properties of Tl ₁₀ -xSb _x Te ₉ nano-particles. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 602-606. https://doi.org/10.18280/ijht.360224

1055	Jha B.T.K., Oni M.O.	Mixed convection flow in a vertical channel with temperature dependent viscosity and flow reversal: An exact solution	mixed convection, vertical channel, temperature dependent viscosity, flow reversal, exact solution	36, 2, 607-613	https://doi.org/10.18280/ijht.360225	Jha, B.T.K., Oni, M.O. (2018). Mixed convection flow in a vertical channel with temperature dependent viscosity and flow reversal: An exact solution. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 607-613. https://doi.org/10.18280/ijht.360225
1056	Luo J., Wang H.	Preparation, thermal insulation and flame retardance of cellulose nanocrystal aerogel modified by TiO ₂	cellulose nanocrystal (CNC), TiO ₂ , aerogel, flame retardance	36, 2, 614-618	https://doi.org/10.18280/ijht.360226	Luo, J., Wang, H. (2018). Preparation, thermal insulation and flame retardance of cellulose nanocrystal aerogel modified by TiO ₂ . <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 614-618. https://doi.org/10.18280/ijht.360226
1057	Ali F., Arif M., Khan I., Sheikh N.A., Saqib M.	Natural convection in polyethylene glycol based molybdenum disulfide nanofluid with thermal radiation, chemical reaction and ramped wall temperature	PEG, molybdenum disulfide mos2 casson nanofluid, ramped wall temperature	36, 2, 619-631	https://doi.org/10.18280/ijht.360227	Ali, F., Arif, M., Khan, I., Sheikh, N.A., Saqib, M. (2018). Natural convection in polyethylene glycol based molybdenum disulfide nanofluid with thermal radiation, chemical reaction and ramped wall temperature. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 619-631. https://doi.org/10.18280/ijht.360227
1058	Yao W.L., Jiang S.Y., Tao S., Fei W.	Chloride diffusion analysis of reinforced concrete beam enhanced with externally bonded fibre reinforced polymer considering the presence of rebars and stirrups	externally bonded fibre reinforced polymer (EBFRP), enhanced reinforced concrete (RC) beam, chloride diffusion, longitudinal bars, stirrups	36, 2, 632-642	https://doi.org/10.18280/ijht.360228	Yao, W.L., Jiang, S.Y., Tao, S., Fei, W. (2018). Chloride diffusion analysis of reinforced concrete beam enhanced with externally bonded fibre reinforced polymer considering the presence of rebars and stirrups. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 632-642. https://doi.org/10.18280/ijht.360228
1059	Bazgir A., Nabhani N.	Computational fluid dynamics comparison of separation performance analysis of uniform and nonuniform counter-flow Ranque-Hilsch Vortex Tubes (RHVTs)	divergent vortex tube, convergent vortex tube, isentropic efficiency (η_{is}), coefficient of performance (COP), CFD	36, 2, 643-656	https://doi.org/10.18280/ijht.360229	Bazgir, A., Nabhani, N. (2018). Computational fluid dynamics comparison of separation performance analysis of uniform and nonuniform counter-flow Ranque-Hilsch Vortex Tubes (RHVTs). <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 643-656. https://doi.org/10.18280/ijht.360229
1060	Wang K., Zhai X.W., Deng J., Liu X.R., Zhang Y.N.	Application of liquid CO ₂ conveying technology for fire control in goaf	liquid CO ₂ , transport system, coal spontaneous combustion, fire control, long-distance pipe, large vertical depth	36, 2, 657-662	https://doi.org/10.18280/ijht.360230	Wang, K., Zhai, X.W., Deng, J., Liu, X.R., Zhang, Y.N. (2018). Application of liquid CO ₂ conveying technology for fire control in goaf. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 657-662. https://doi.org/10.18280/ijht.360230
1061	Roy U., Majumder M.	An effective krill herd based optimal NN for parameter evaluation in Shell-And-Tube heat exchangers	heat transfer, optimization, fish, neural network, hidden layer and neuron, energy and efficiency	36, 2, 663-671	https://doi.org/10.18280/ijht.360231	Roy, U., Majumder, M. (2018). An effective krill herd based optimal NN for parameter evaluation in Shell-And-Tube heat exchangers. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 663-671. https://doi.org/10.18280/ijht.360231
1062	Fan B.F., Shui Q.X., Yang Y.L.	Numerical simulation of the effects of diaphragm length on potential flow around a circular cylinder with rear diaphragm	finite-element analysis, rear diaphragm, potential flow around a circular cylinder, multi-step format (MSF), characteristicbased operator splitting (CBOP)	36, 2, 672-676	https://doi.org/10.18280/ijht.360232	Fan, B.F., Shui, Q.X., Yang, Y.L. (2018). Numerical simulation of the effects of diaphragm length on potential flow around a circular cylinder with rear diaphragm. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 672-676. https://doi.org/10.18280/ijht.360232
1063	Arumugam V.M., Chidambaram R.K.	Parametric analysis and optimization of convective fin with variable thermal conductivity using semi-analytical solution	heat transfer performance, temperature dependent thermal conductivity, straight fins, ADM, optimization and parametric analysis	36, 2, 677-686	https://doi.org/10.18280/ijht.360233	Arumugam, V.M., Chidambaram, R.K. (2018). Parametric analysis and optimization of convective fin with variable thermal conductivity using semi-analytical solution. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 677-686. https://doi.org/10.18280/ijht.360233
1064	Jia Y.X., Mei Y.G.	Numerical simulation of pressure waves induced by high-speed maglev trains passing through tunnels	high-speed maglev train, numerical simulation, method of characteristics, pressure wave, tunnel	36, 2, 687-696	https://doi.org/10.18280/ijht.360234	Jia, Y.X., Mei, Y.G. (2018). Numerical simulation of pressure waves induced by high-speed maglev trains passing through tunnels. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 687-696. https://doi.org/10.18280/ijht.360234
1065	Pati B., Sharma B., Palo A., Barman R.N.	Numerical investigation of pin-fin thermal performance for staggered and inline arrays at low Reynolds number	pin fins, SST K- Ω turbulence model, fluent, staggered, inline, Nusselt number	36, 2, 697-703	https://doi.org/10.18280/ijht.360235	Pati, B., Sharma, B., Palo, A., Barman, R.N. (2018). Numerical investigation of pin-fin thermal performance for staggered and inline arrays at low Reynolds number. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 697-703. https://doi.org/10.18280/ijht.360235
1066	Wei W., Chen N., Zhang J.F., Zhang X.Y.	Design of an intelligent rapid nozzle cleaning control system for fused deposition modelling 3D printers	FDM, DSC, nozzle cleaning, 3D printer	36, 2, 704-708	https://doi.org/10.18280/ijht.360236	Wei, W., Chen, N., Zhang, J.F., Zhang, X.Y. (2018). Design of an intelligent rapid nozzle cleaning control system for fused deposition modelling 3D printers. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 704-708. https://doi.org/10.18280/ijht.360236
1067	Oyelami F.H., Dada M.S.	Unsteady magnetohydrodynamic flow of some non-Newtonian fluids with slip through porous channel	non-Newtonian fluid, slip, porous medium, erying-powell model, prandtleyring model	36, 2, 709-713	https://doi.org/10.18280/ijht.360237	Oyelami, F.H., Dada, M.S. (2018). Unsteady magnetohydrodynamic flow of some non-Newtonian fluids with slip through porous channel. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 709-713. https://doi.org/10.18280/ijht.360237
1068	Sharma B., Kumar B., Barman R.N.	Numerical investigation of cu-water nanofluid in a differentially heated square cavity with conducting solid square cylinder at center	fluent, lid driven cavity, nanofluids, nanoparticles, conducting cylinder	36, 2, 714-722	https://doi.org/10.18280/ijht.360238	Sharma, B., Kumar, B., Barman, R.N. (2018). Numerical investigation of cu-water nanofluid in a differentially heated square cavity with conducting solid square cylinder at center. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 714-722. https://doi.org/10.18280/ijht.360238
1069	Wu Z., Tang C.J., Zhang W., Liu W.J.	Correlation analysis between orientation and energy consumption of semi-underground ski slope in hot summer and cold winter region	hot summer and cold winter region, semiunderground ski slope (SUSS), quantitative analysis, orientation, energy consumption	36, 2, 723-729	https://doi.org/10.18280/ijht.360239	Wu, Z., Tang, C.J., Zhang, W., Liu, W.J. (2018). Correlation analysis between orientation and energy consumption of semi-underground ski slope in hot summer and cold winter region. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 723-729. https://doi.org/10.18280/ijht.360239
1070	Ejaz M.F., Manzoor S.	Experimental investigation of heat transfer in a vertical annulus with a bottom heated rotating inner cylinder	experimental investigation, heat transfer, heat transport mechanisms, vertical annulus, buoyancy-driven flow, rotating inner cylinder	36, 2, 730-740	https://doi.org/10.18280/ijht.360240	Ejaz, M.F., Manzoor, S. (2018). Experimental investigation of heat transfer in a vertical annulus with a bottom heated rotating inner cylinder. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 730-740. https://doi.org/10.18280/ijht.360240
1071	Chand S., Chand P.	Performance evaluation of solar air heater equipped with louvered fins	effective efficiency, solar air heater, louvered fin, thermal efficiency	36, 2, 741-751	https://doi.org/10.18280/ijht.360241	Chand, S., Chand, P. (2018). Performance evaluation of solar air heater equipped with louvered fins. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 741-751. https://doi.org/10.18280/ijht.360241

1072	Yu P.F., Zhang X.S.	Heat and humidity features and energy saving potential of temperature and humidity independent control air-conditioning system using refrigerant mixture	coefficient of performance (COP), temperature and humidity independent control (THIC), double evaporating temperature (DET) chiller	36, 2, 752-760	https://doi.org/10.18280/ijht.360242	Yu, P.F., Zhang, X.S. (2018). Heat and humidity features and energy saving potential of temperature and humidity independent control air-conditioning system using refrigerant mixture. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 752-760. https://doi.org/10.18280/ijht.360242
1073	Ragui K., Boutra A., Benkahla Y.K., Bennacer R.	Circular heat and solute source within a viscoplastic porous enclosure: The critical source dimension for optimum transfers	thermosolutal convection, bingham plastics, porous medium, circular pollutant source, finite volume approach, Cut-Cell approach, proposed models	36, 2, 761-772	https://doi.org/10.18280/ijht.360243	Ragui, K., Boutra, A., Benkahla, Y.K., Bennacer, R. (2018). Circular heat and solute source within a viscoplastic porous enclosure: The critical source dimension for optimum transfers. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 2, pp. 761-772. https://doi.org/10.18280/ijht.360243
1074	Kumar P.V., Ibrahim S.M., Lorenzini G.	The study of three dimensional radiative MHD Casson nanofluid over an exponential porous stretching sheet with heat source under convective boundary conditions	three-dimensional flow, casson fluid, exponentially stretching sheet, radiation, HAM	36, 1, 1-10	https://doi.org/10.18280/ijht.360101	Kumar, P.V., Ibrahim, S.M., Lorenzini, G. (2018). The study of three dimensional radiative MHD Casson nanofluid over an exponential porous stretching sheet with heat source under convective boundary conditions. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 1-10. https://doi.org/10.18280/ijht.360101
1075	Bilonoga Y., Maksysko O.	Specific features of heat exchangers calculation considering the laminar boundary layer, the transitional and turbulent thermal conductivity of heat carriers	laminar boundary layer, average thickness of the laminar boundary layer, overall heat transfer coefficient, shell-and-tube heat exchanger, criterion of turbulent thermal conductivity of the coolant, coefficient of surface tension	36, 1, 11-20	https://doi.org/10.18280/ijht.360102	Bilonoga, Y., Maksysko, O. (2018). Specific features of heat exchangers calculation considering the laminar boundary layer, the transitional and turbulent thermal conductivity of heat carriers. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 11-20. https://doi.org/10.18280/ijht.360102
1076	Benhouia A.T., Teggat M., Benchatti A.	Effect of sand as thermal damper integrated in flat plate water solar thermal collector	flat plate solar collector, sand, thermal damper, short term thermal storage	36, 1, 21-25	https://doi.org/10.18280/ijht.360103	Benhouia, A.T., Teggat, M., Benchatti, A. (2018). Effect of sand as thermal damper integrated in flat plate water solar thermal collector. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 21-25. https://doi.org/10.18280/ijht.360103
1077	Pamuk M.T., Savaş A., Seçgin Ö., Arda E.	Numerical simulation of transient heat transfer in friction-stir welding	friction stir welding, aluminum, moving heat source, transient heat conduction	36, 1, 26-30	https://doi.org/10.18280/ijht.360104	Pamuk, M.T., Savaş, A., Seçgin, Ö., Arda, E. (2018). Numerical simulation of transient heat transfer in friction-stir welding. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 26-30. https://doi.org/10.18280/ijht.360104
1078	Tian Y.B., Hu A.J.	Study on critical speed of rotation in the multistage high speed centrifugal pumps rotors	critical speed of rotation, fluid-structure interaction, multistage centrifugal pump, rotor dynamics	36, 1, 31-39	https://doi.org/10.18280/ijht.360105	Tian, Y.B., Hu, A.J. (2018). Study on critical speed of rotation in the multistage high speed centrifugal pumps rotors. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 31-39. https://doi.org/10.18280/ijht.360105
1079	Rasool A., Qayoum A.	Numerical analysis of heat transfer and friction factor in two-pass channels with variable rib shapes	local heat transfer coefficient, numerical simulation, ribs, turbine blade internal cooling	36, 1, 40-48	https://doi.org/10.18280/ijht.360106	Rasool, A., Qayoum, A. (2018). Numerical analysis of heat transfer and friction factor in two-pass channels with variable rib shapes. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 40-48. https://doi.org/10.18280/ijht.360106
1080	Sun G.Z., Zhang R.L., Tian K.Y.	The dynamic evolution model and experimental study of gas permeability under multiple factors	coal seam gas, permeability model, effective stress, temperature	36, 1, 49-55	https://doi.org/10.18280/ijht.360107	Sun, G.Z., Zhang, R.L., Tian, K.Y. (2018). The dynamic evolution model and experimental study of gas permeability under multiple factors. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 49-55. https://doi.org/10.18280/ijht.360107
1081	Parmar A., Jain S.	MHD Powell–Eyring fluid flow with non-linear radiation and variable thermal conductivity over a permeable cylinder	non-linear radiation, non-linear heat source, variable thermal conductivity, powell–eyring fluid	36, 1, 56-64	https://doi.org/10.18280/ijht.360108	Parmar, A., Jain, S. (2018). MHD Powell–Eyring fluid flow with non-linear radiation and variable thermal conductivity over a permeable cylinder. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 56-64. https://doi.org/10.18280/ijht.360108
1082	Cui X., Gao L., Liu J.X.	Wind tunnel test study on the influence of railing ventilation rate on the vortex vibration characteristics of the main beam	bridge engineering, vortex-induced vibration, aerodynamic measure, wind tunnel test	36, 1, 65-71	https://doi.org/10.18280/ijht.360109	Cui, X., Gao, L., Liu, J.X. (2018). Wind tunnel test study on the influence of railing ventilation rate on the vortex vibration characteristics of the main beam. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 65-71. https://doi.org/10.18280/ijht.360109
1083	Bouhezza A., Kholai O., Boudebous S., Nemouchi Z.	Combined heat and mass transfer in mixed convection through a horizontal tube	heat transfer, mass transfer, mixed convection, schmidt number, horizontal tube (3D), elliptic equations	36, 1, 72-80	https://doi.org/10.18280/ijht.360110	Bouhezza, A., Kholai, O., Boudebous, S., Nemouchi, Z. (2018). Combined heat and mass transfer in mixed convection through a horizontal tube. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 72-80. https://doi.org/10.18280/ijht.360110
1084	Chen X.C., Guan J.F., Deng S.S., Liu Q., Chen M.	Features and mechanism of abrasive water jet cutting of Q345 steel	abrasive water jet (AWJ), smoothed-particle hydrodynamics (SPH), finite-element method (FEM), erosion	36, 1, 81-87	https://doi.org/10.18280/ijht.360111	Chen, X.C., Guan, J.F., Deng, S.S., Liu, Q., Chen, M. (2018). Features and mechanism of abrasive water jet cutting of Q345 steel. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 81-87. https://doi.org/10.18280/ijht.360111
1085	Kanaan M., Chahine K.	CFD study of ventilation for indoor multi-zone transformer substation	ventilation schemes, numerical modeling, transformer substation, turbulent flow, thermal field	36, 1, 88-94	https://doi.org/10.18280/ijht.360112	Kanaan, M., Chahine, K. (2018). CFD study of ventilation for indoor multi-zone transformer substation. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 88-94. https://doi.org/10.18280/ijht.360112
1086	Li H.X., Hao Z.D., Zhang Q.	Evaluating the cleaning performance of rectangular slot nozzle and diffuser	rectangular slot nozzle, diffuser, pulse jet cleaning, computational fluid dynamics (CFD)	36, 1, 95-101	https://doi.org/10.18280/ijht.360113	Li, H.X., Hao, Z.D., Zhang, Q. (2018). Evaluating the cleaning performance of rectangular slot nozzle and diffuser. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 95-101. https://doi.org/10.18280/ijht.360113
1087	Ghritlahre H.K., Prasad R.K.	Investigation on heat transfer characteristics of roughened solar air heater using ANN technique	solar air heater, artificial neural network, levenberg-marquardt learning algorithm, nusselt number, heat transfer.	36, 1, 102-110	https://doi.org/10.18280/ijht.360114	Ghritlahre, H.K., Prasad, R.K. (2018). Investigation on heat transfer characteristics of roughened solar air heater using ANN technique. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 102-110. https://doi.org/10.18280/ijht.360114
1088	He F., Wang J., Chen W.	Numerical simulation and analysis of the effect of baffle distance and depth on solid-liquid two-phase flow in circular secondary clarifier	circular secondary clarifier (CSC), peripheral inlet and outlet (PIO), numerical simulation, velocity field, sludge volume concentration field	36, 1, 111-117	https://doi.org/10.18280/ijht.360115	He, F., Wang, J., Chen, W. (2018). Numerical simulation and analysis of the effect of baffle distance and depth on solid-liquid two-phase flow in circular secondary clarifier. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 111-117. https://doi.org/10.18280/ijht.360115

1089	Krishna V.M.	Emissions control and performance evaluation of spark ignition engine with oxy-hydrogen blending	emissions, HHO gas, spark ignition engine, specific fuel consumption, thermal efficiency	36, 1, 118-124	https://doi.org/10.18280/ijht.360116	Krishna, V.M. (2018). Emissions control and performance evaluation of spark ignition engine with oxy-hydrogen blending. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 118-124. https://doi.org/10.18280/ijht.360116
1090	Guan F.W., Zhang F., Cao N.L., Liu Q., Liu J., Yu S.M., Guan H.Y.	Thermal control design and experimental verification of light off-axis space optical remote sensor in the sun-synchronous orbit	sun-synchronous orbit, space optical remote sensor, thermal control design, thermal balance test	36, 1, 125-132	https://doi.org/10.18280/ijht.360117	Guan, F.W., Zhang, F., Cao, N.L., Liu, Q., Liu, J., Yu, S.M., Guan, H.Y. (2018). Thermal control design and experimental verification of light off-axis space optical remote sensor in the sun-synchronous orbit. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 125-132. https://doi.org/10.18280/ijht.360117
1091	Larbi A.A., Bounif A., Bouzit M.	Comparisons of LPDF and MEPDF for lifted H ₂ /N ₂ jet flame in a vitiated coflow	PDF transport, MEPDF, LPDF, vitiated coflow, K-epsilon modified	36, 1, 133-140	https://doi.org/10.18280/ijht.360118	Larbi, A.A., Bounif, A., Bouzit, M. (2018). Comparisons of LPDF and MEPDF for lifted H ₂ /N ₂ jet flame in a vitiated coflow. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 133-140. https://doi.org/10.18280/ijht.360118
1092	Tian P., Nie L., Zhan G.F.	Analysis of asphalt wettability based on spreading radius	viscous fluid, wetting, spreading, adhesion ability, interfacial tension, surface energy	36, 1, 141-146	https://doi.org/10.18280/ijht.360119	Tian, P., Nie, L., Zhan, G.F. (2018). Analysis of asphalt wettability based on spreading radius. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 141-146. https://doi.org/10.18280/ijht.360119
1093	Sadaghiyani O.K., Boubakran M.S., Hassanzadeh A.	Energy and exergy analysis of parabolic trough collectors	evacuated absorber tube, parabolic trough collector, exergetic efficiency, exergy destruction, exergy loss	36, 1, 147-158	https://doi.org/10.18280/ijht.360120	Sadaghiyani, O.K., Boubakran, M.S., Hassanzadeh, A. (2018). Energy and exergy analysis of parabolic trough collectors. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 147-158. https://doi.org/10.18280/ijht.360120
1094	Chi M.S., Wang Q., Liu H.Q., Wang Z.C., Liu Q.	Characteristic analysis of gas & solid phase flow in oil shale pyrolysis circulating fluidized bed	gas & solid phase flow, oil shale, CFB, computational fluid mechanics of particles	36, 1, 159-164	https://doi.org/10.18280/ijht.360121	Chi, M.S., Wang, Q., Liu, H.Q., Wang, Z.C., Liu, Q. (2018). Characteristic analysis of gas & solid phase flow in oil shale pyrolysis circulating fluidized bed. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 159-164. https://doi.org/10.18280/ijht.360121
1095	Mukherjee S., Mishra P.C., Chaudhuri P., Banerjee G.	Theoretical modeling and optimization of microchannel heat sink cooling with TiO ₂ -water and ZnO-water nanofluids	nanofluids, electronic cooling, microchannel, heatsink, optimization, EES	36, 1, 165-172	https://doi.org/10.18280/ijht.360122	Mukherjee, S., Mishra, P.C., Chaudhuri, P., Banerjee, G. (2018). Theoretical modeling and optimization of microchannel heat sink cooling with TiO ₂ -water and ZnO-water nanofluids. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 165-172. https://doi.org/10.18280/ijht.360122
1096	Li M.Q., Luo J.B., Wu B.X., Hua J.	Experimental research of the mechanism and particle flow in screw conveyor	screw conveyor, outlet mass flow rate, fill rate, trajectory angle, particle flow	36, 1, 173-181	https://doi.org/10.18280/ijht.360123	Li, M.Q., Luo, J.B., Wu, B.X., Hua, J. (2018). Experimental research of the mechanism and particle flow in screw conveyor. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 173-181. https://doi.org/10.18280/ijht.360123
1097	Reddy G.V.S.K., Ramesh K.V.	Mass transfer enhancement in a three-phase fluidized bed electrochemical reactor	mass transfer coefficient, fluidized bed, three-phase fluidization, augmentation, turbulent promoter	36, 1, 182-188	https://doi.org/10.18280/ijht.360124	Reddy, G.V.S.K., Ramesh, K.V. (2018). Mass transfer enhancement in a three-phase fluidized bed electrochemical reactor. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 182-188. https://doi.org/10.18280/ijht.360124
1098	Hao X.L., Li W., Sun Z.Y., Zhu S.J., Yan S., Zhao Z.	Detection of ball grid array solder joints based on adaptive template matching	adaptive template matching, automatic thresholding, ball grid array (BGA), edge direction vector, image pyramid	36, 1, 189-194	https://doi.org/10.18280/ijht.360125	Hao, X.L., Li, W., Sun, Z.Y., Zhu, S.J., Yan, S., Zhao, Z. (2018). Detection of ball grid array solder joints based on adaptive template matching. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 189-194. https://doi.org/10.18280/ijht.360125
1099	Praveena D.N., Rao C.S., Kiran K.K.	Suitability of magnetic nanofluid in heat transfer loops	heat transfer, pumping power, electronic cooling, figure of merit, magnetic field	36, 1, 195-200	https://doi.org/10.18280/ijht.360126	Praveena, D.N., Rao, C.S., Kiran, K.K. (2018). Suitability of magnetic nanofluid in heat transfer loops. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 195-200. https://doi.org/10.18280/ijht.360126
1100	Zhang X.B., Yang M.	Based on FDM numerical simulation research on the factors influencing heat release in wet airway	surrounding rock temperature, wetness factor, water evaporation, heat release, moisture content	36, 1, 201-206	https://doi.org/10.18280/ijht.360127	Zhang, X.B., Yang, M. (2018). Based on FDM numerical simulation research on the factors influencing heat release in wet airway. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 201-206. https://doi.org/10.18280/ijht.360127
1101	Sarojamma G., Sreelakshmi K., Vajravelu K.	Effects of dual stratification on non-orthogonal non-Newtonian fluid flow and heat transfer	non-orthogonal flow, Casson fluid, stagnation point, stratification, thermal radiation	36, 1, 207-214	https://doi.org/10.18280/ijht.360128	Sarojamma, G., Sreelakshmi, K., Vajravelu, K. (2018). Effects of dual stratification on non-orthogonal non-Newtonian fluid flow and heat transfer. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 207-214. https://doi.org/10.18280/ijht.360128
1102	Liu F.	Numerical analysis of droplet atomization in wet electrostatic precipitator based on computational particle-fluid dynamics	wet electrostatic precipitator, computational particle-fluid dynamics (CPFD), numerical simulation, droplet atomization	36, 1, 215-221	https://doi.org/10.18280/ijht.360129	Liu, F. (2018). Numerical analysis of droplet atomization in wet electrostatic precipitator based on computational particle-fluid dynamics. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 215-221. https://doi.org/10.18280/ijht.360129
1103	Asif A., Mohammed S.A.D., Razak R.K.A., Ramis M.K.	Heat transfer characteristics of MWCNT nanofluid in rectangular mini channels	MWCNT, water, nanofluid, rectangular minichannels, thermal analysis	36, 1, 222-228	https://doi.org/10.18280/ijht.360130	Asif, A., Mohammed, S.A.D., Razak, R.K.A., Ramis, M.K. (2018). Heat transfer characteristics of MWCNT nanofluid in rectangular mini channels. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 222-228. https://doi.org/10.18280/ijht.360130
1104	Zhang J.X., Sun W.G., Niu F.S., Wang L., Zhao Y.W., Han M.M.	Atmospheric sulfuric acid leaching thermodynamics from metallurgical zinc-bearing dust sludge	zinc-bearing dust sludge, leaching, thermodynamics, potential (φ)-Ph dominant area diagram	36, 1, 229-236	https://doi.org/10.18280/ijht.360131	Zhang, J.X., Sun, W.G., Niu, F.S., Wang, L., Zhao, Y.W., Han, M.M. (2018). Atmospheric sulfuric acid leaching thermodynamics from metallurgical zinc-bearing dust sludge. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 229-236. https://doi.org/10.18280/ijht.360131
1105	Al-Farhany K., Abdulkadhim A.	Numerical investigation of conjugate natural convection heat transfer in a square porous cavity heated partially from left sidewall	natural convection, conjugate, porous, enclosure, COMSOL	36, 1, 237-244	https://doi.org/10.18280/ijht.360132	Al-Farhany, K., Abdulkadhim, A. (2018). Numerical investigation of conjugate natural convection heat transfer in a square porous cavity heated partially from left sidewall. International Journal of Heat and Technology, Vol. 36, No. 1, pp. 237-244. https://doi.org/10.18280/ijht.360132

1106	Zhang, J., Liu, N.N.	Supercritical cyclic steam stimulation of wellbore temperature and pressure distribution in Lukeqin oilfield	supercritical cyclic steam stimulation (CSS), wellbore temperature, wellbore pressure	36, 1, 245-251	https://doi.org/10.18280/ijht.360133	Zhang, J., Liu, N.N. (2018). Supercritical cyclic steam stimulation of wellbore temperature and pressure distribution in Lukeqin oilfield. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 245-251. https://doi.org/10.18280/ijht.360133
1107	Gorantla, K., Shaik, S., Setty, A.B.T.P.R.	Thermal and cost analysis of float and various tinted double window glass configurations on heat gain into buildings of hot & dry climatic zone in India	spectrophotometer, glass window, solar optical properties, double glass window	36, 1, 252-260	https://doi.org/10.18280/ijht.360134	Gorantla, K., Shaik, S., Setty, A.B.T.P.R. (2018). Thermal and cost analysis of float and various tinted double window glass configurations on heat gain into buildings of hot & dry climatic zone in India. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 252-260. https://doi.org/10.18280/ijht.360134
1108	Sun, Y., Rong, J.Y., Tian, Y.N., Niu, Y.X., Zhang, M.H.	Research on resistance features of plate heat exchanger based on flow distribution	plate heat exchanger, flow distribution, resistance features	36, 1, 261-266	https://doi.org/10.18280/ijht.360135	Sun, Y., Rong, J.Y., Tian, Y.N., Niu, Y.X., Zhang, M.H. (2018). Research on resistance features of plate heat exchanger based on flow distribution. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 261-266. https://doi.org/10.18280/ijht.360135
1109	Saravanan, V., Umesh, C.K., Seetharamu, D.H.K.	Numerical investigation of pressure drop and heat transfer in pin fin heat sink and micro channel pin fin heat sink	micro channel, micro pin fin, heat sink, square pin fin, circular pin fin, finned micro channel	36, 1, 267-276	https://doi.org/10.18280/ijht.360136	Saravanan, V., Umesh, C.K., Seetharamu, D.H.K. (2018). Numerical investigation of pressure drop and heat transfer in pin fin heat sink and micro channel pin fin heat sink. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 267-276. https://doi.org/10.18280/ijht.360136
1110	Zhang, C.H., Qiu, J.S., Guan, X., Hou, P.J., Huang, W.	Research on thermal performance of external thermal insulation composite concrete wall block	concrete wall, thermal performance, heat transfer resistance, thermal inertia, h-shaped wall block structure	36, 1, 277-281	https://doi.org/10.18280/ijht.360137	Zhang, C.H., Qiu, J.S., Guan, X., Hou, P.J., Huang, W. (2018). Research on thermal performance of external thermal insulation composite concrete wall block. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 277-281. https://doi.org/10.18280/ijht.360137
1111	Kumar, S., Priyam, A., Prasad, R.K.	Thermal, effective and exergetic analysis of double flow packed bed solar air heater	packed bed, energy analysis, temperature rise, effective efficiency, exergy analysis	36, 1, 282-292	https://doi.org/10.18280/ijht.360138	Kumar, S., Priyam, A., Prasad, R.K. (2018). Thermal, effective and exergetic analysis of double flow packed bed solar air heater. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 282-292. https://doi.org/10.18280/ijht.360138
1112	Hu, Q.L., Shi, G.W., Jiang, F., Zhou, H.D., Li, Z.H., Yang, L., Zhang, X.J.	Thermal environment adaptability design of space-based infrared imaging system	space-based, infrared imaging, thermal environment, non-thermal design, thermal control	36, 1, 293-300	https://doi.org/10.18280/ijht.360139	Hu, Q.L., Shi, G.W., Jiang, F., Zhou, H.D., Li, Z.H., Yang, L., Zhang, X.J. (2018). Thermal environment adaptability design of space-based infrared imaging system. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 293-300. https://doi.org/10.18280/ijht.360139
1113	Sartor, K., Thomas, D., Dewallef, P.	A comparative study for simulating heat transport in large district heating networks	district heating network, DHN, pipe, dynamic simulation, heat transport	36, 1, 301-308	https://doi.org/10.18280/ijht.360140	Sartor, K., Thomas, D., Dewallef, P. (2018). A comparative study for simulating heat transport in large district heating networks. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 301-308. https://doi.org/10.18280/ijht.360140
1114	Wen, J., Yang, M., Qi, W.L., Wang, J., Yuan, Q., Luo, W.	Experimental analysis and numerical simulation of variable mass flow in horizontal wellbore	horizontal wellbore, variable mass flow, numerical simulation, experimental simulation, mixture pressure drop	36, 1, 309-318	https://doi.org/10.18280/ijht.360141	Wen, J., Yang, M., Qi, W.L., Wang, J., Yuan, Q., Luo, W. (2018). Experimental analysis and numerical simulation of variable mass flow in horizontal wellbore. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 309-318. https://doi.org/10.18280/ijht.360141
1115	Medina, Y.C., Khandy, N.H., Carlson, K.M., Fonticella, O.M.C., Morales, O.F.C.	Mathematical modeling of two-phase media heat transfer coefficient in air cooled condenser systems	equation, roshenow's correction, condensation, deviation, heat transfer	36, 1, 319-324	https://doi.org/10.18280/ijht.360142	Medina, Y.C., Khandy, N.H., Carlson, K.M., Fonticella, O.M.C., Morales, O.F.C. (2018). Mathematical modeling of two-phase media heat transfer coefficient in air cooled condenser systems. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 319-324. https://doi.org/10.18280/ijht.360142
1116	Deka, B., Choudhury, R.	On hydromagnetic flow of a second-grade fluid induced by an inclined plate	heat transfer, mass transfer, inclined plate, MHD, visco-elastic, heat generation	36, 1, 325-331	https://doi.org/10.18280/ijht.360143	Deka, B., Choudhury, R. (2018). On hydromagnetic flow of a second-grade fluid induced by an inclined plate. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 325-331. https://doi.org/10.18280/ijht.360143
1117	Yu, X.Z., Xin, M.J., Song, Y.Q., Xu, J., Ren, W.T.	Numerical simulation and experimental verification of mulch spreading system of paddy field based on CFD	numerical simulation, CFD, paddy field machiner, experiment	36, 1, 332-338	https://doi.org/10.18280/ijht.360144	Yu, X.Z., Xin, M.J., Song, Y.Q., Xu, J., Ren, W.T. (2018). Numerical simulation and experimental verification of mulch spreading system of paddy field based on CFD. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 332-338. https://doi.org/10.18280/ijht.360144
1118	Kannan, K.G., Kamatchi, R., Venkatajalapathi, T., Krishnan, A.S.	Enhanced heat transfer by thermosyphon method in electronic devices	electronic cooling, closed loop thermosyphon, latent heat of evaporation, thermal resistance	36, 1, 339-343	https://doi.org/10.18280/ijht.360145	Kannan, K.G., Kamatchi, R., Venkatajalapathi, T., Krishnan, A.S. (2018). Enhanced heat transfer by thermosyphon method in electronic devices. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 339-343. https://doi.org/10.18280/ijht.360145
1119	Yan, L.E., Yi, N.P., Zhang, X.G., Xu, S.C.	Numerical investigation on the effect of variation of water level on the stability of soil-cement column reinforced waterway side slope	unsaturated soil, seepage, stability analysis of side slope, strength reduction finite element method	36, 1, 344-352	https://doi.org/10.18280/ijht.360146	Yan, L.E., Yi, N.P., Zhang, X.G., Xu, S.C. (2018). Numerical investigation on the effect of variation of water level on the stability of soil-cement column reinforced waterway side slope. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 344-352. https://doi.org/10.18280/ijht.360146
1120	Rahman, M.R.A., Saad, M.R., Idris, A.C., Faizal, H.M.	Heat transfer of the TiO ₂ /water nanofluid in an annulus of the finite rotating cylinders	nanofluid, finite rotating annulus, co-rotating, counter rotating	36, 1, 353-358	https://doi.org/10.18280/ijht.360147	Rahman, M.R.A., Saad, M.R., Idris, A.C., Faizal, H.M. (2018). Heat transfer of the TiO ₂ /water nanofluid in an annulus of the finite rotating cylinders. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 353-358. https://doi.org/10.18280/ijht.360147
1121	Bensayah, K., Mahfoudi, E.	Detached eddy simulation of compressible flow with rapid expanded divergent contour	compressible flow, detached eddy simulation, sst model, nozzle, over-expanded, shock	36, 1, 359-366	https://doi.org/10.18280/ijht.360148	Bensayah, K., Mahfoudi, E. (2018). Detached eddy simulation of compressible flow with rapid expanded divergent contour. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 359-366. https://doi.org/10.18280/ijht.360148
1122	Touatit, A., Bougriou, C.	Optimal diameters of triple concentric-tube heat exchangers	heat exchanger, concentric-tube, design, energy, cost	36, 1, 367-375	https://doi.org/10.18280/ijht.360149	Touatit, A., Bougriou, C. (2018). Optimal diameters of triple concentric-tube heat exchangers. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 367-375. https://doi.org/10.18280/ijht.360149

1123	Liu, C.M., Liu, L., Liu, C.B.	Analysis of wind resistance of high-rise building structures based on computational fluid dynamics simulation technology	high-rise buildings, structural wind resistance, computational fluid dynamics, wind tunnel test, numerical simulation	36, 1, 376-380	https://doi.org/10.18280/ijht.360150	Liu, C.M., Liu, L., Liu, C.B. (2018). Analysis of wind resistance of high-rise building structures based on computational fluid dynamics simulation technology. <i>International Journal of Heat and Technology</i> , Vol. 36, No. 1, pp. 376-380. https://doi.org/10.18280/ijht.360150
1124	Magrini A., Lazzari S., Marengo L., Guazzi G.	A procedure to evaluate the most suitable integrated solutions for increasing energy performance of the building's envelope, avoiding moisture problems	EPBD, energy performance, vapour condensation risk, cost analysis, building refurbishment	35, 4, 689-699	https://doi.org/10.18280/ijht.350401	Magrini A., Lazzari S., Marengo L., Guazzi G. (2017). A procedure to evaluate the most suitable integrated solutions for increasing energy performance of the building's envelope, avoiding moisture problems. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 689-699. https://doi.org/10.18280/ijht.350401
1125	Huang X.Q., Zhang D.L., Zhang X.	Stability of secondary atomization locations of atomizer nozzles for humidification chambers	humidification chamber, atomization features, critical pressure, secondary atomization	35, 4, 700-706	https://doi.org/10.18280/ijht.350402	Huang X.Q., Zhang D.L., Zhang X. (2017). Stability of secondary atomization locations of atomizer nozzles for humidification chambers. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 700-706. https://doi.org/10.18280/ijht.350402
1126	Liu Y.L., Zhu H.Q., Huang S.G.	Effect of structural parameters of high-pressure water jet nozzles on flow field features	high-pressure (HP) water jet, nozzle structure, flow field features, numerical simulation	35, 4, 707-712	https://doi.org/10.18280/ijht.350403	Liu Y.L., Zhu H.Q., Huang S.G. (2017). Effect of structural parameters of high-pressure water jet nozzles on flow field features. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 707-712. https://doi.org/10.18280/ijht.350403
1127	Wen Y., Wu Z.H., Wang J.L., Wu J., Yin Q.G., Luo W.	Experimental study of liquid holdup of liquid-gas two-phase flow in horizontal and inclined pipes	liquid holdup, liquid-gas two-phase flow, horizontal and inclined pipe, gas-liquid ratio, pipe diameter, liquid type, pipe inclination	35, 4, 713-720	https://doi.org/10.18280/ijht.350404	Wen Y., Wu Z.H., Wang J.L., Wu J., Yin Q.G., Luo W. (2017). Experimental study of liquid holdup of liquid-gas two-phase flow in horizontal and inclined pipes. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 713-720. https://doi.org/10.18280/ijht.350404
1128	Garg R., Thakur H., Tripathi B.	Nonlinear numerical analysis of convective-radiative fin using MLPG method	convective-radiative fin, MLPG method, penalty method, nonlinear fin analysis, transient analysis	35, 4, 721-729	https://doi.org/10.18280/ijht.350405	Garg R., Thakur H., Tripathi B. (2017). Nonlinear numerical analysis of convective-radiative fin using MLPG method. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 721-729. https://doi.org/10.18280/ijht.350405
1129	Ren L.B., Zhao X.Q., Zhang S.F.	Hydrodynamic investigation of slurry flows in horizontal narrow rectangular channels	CFD-DEM, experiment, slurry, horizontal narrow rectangular channel	35, 4, 730-736	https://doi.org/10.18280/ijht.350406	Ren L.B., Zhao X.Q., Zhang S.F. (2017). Hydrodynamic investigation of slurry flows in horizontal narrow rectangular channels. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 730-736. https://doi.org/10.18280/ijht.350406
1130	Norozi M.	Experimental investigation of improving received radiation by an hourly sun tracking on a weir-type cascade solar still	hourly sun tracking, weir-type cascade solar still, azimuth angles, energy efficiency, solar radiation	35, 4, 737-746	https://doi.org/10.18280/ijht.350407	Norozi M. (2017). Experimental investigation of improving received radiation by an hourly sun tracking on a weir-type cascade solar still. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 737-746. https://doi.org/10.18280/ijht.350407
1131	Liu Y., Liang B.C., Liu X.T.	Experimental and numerical optimization of coal breakage performance parameters through abrasive gas jet	abrasive gas jet (AGJ), coal and rock breakage, laval nozzle, water jet	35, 4, 747-754	https://doi.org/10.18280/ijht.350408	Liu Y., Liang B.C., Liu X.T. (2017). Experimental and numerical optimization of coal breakage performance parameters through abrasive gas jet. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 747-754. https://doi.org/10.18280/ijht.350408
1132	Motevasel M., Nazar A.R.S., Jamialahmadi M.	Experimental investigation of turbulent flow convection heat transfer of MgO/water nanofluid at low concentrations – Prediction of aggregation effect of nanoparticles	aggregate, low concentration, MgO/Water nanofluid, physical properties	35, 4, 755-764	https://doi.org/10.18280/ijht.350409	Motevasel M., Nazar A.R.S., Jamialahmadi M. (2017). Experimental investigation of turbulent flow convection heat transfer of MgO/water nanofluid at low concentrations – Prediction of aggregation effect of nanoparticles. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 755-764. https://doi.org/10.18280/ijht.350409
1133	Zhang F., Sun D.Y., Xie J.M., Xu S.M., Huang H.G., Li J., Hou H.T., Wu J.	Application of zirconia thermal barrier coating on the surface of pulling-straightening roller	laser remelting, nano zirconia, thermal barrier coating (TBC), pulling-straightening roller	35, 4, 765-772	https://doi.org/10.18280/ijht.350410	Zhang F., Sun D.Y., Xie J.M., Xu S.M., Huang H.G., Li J., Hou H.T., Wu J. (2017). Application of zirconia thermal barrier coating on the surface of pulling-straightening roller. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 765-772. https://doi.org/10.18280/ijht.350410
1134	Quinlan B., Kaufmann B., Allensina G., Pedrazzi S., Whipple S.	Application of OLTT in gasification power systems	biomass, gasification, syngas, tar testing, light absorbance	35, 4, 773-778	https://doi.org/10.18280/ijht.350411	Quinlan B., Kaufmann B., Allensina G., Pedrazzi S., Whipple S. (2017). Application of OLTT in gasification power systems. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 773-778. https://doi.org/10.18280/ijht.350411
1135	Wang X.D., Wang X.Y., Lan L., Pu Y.Y.	Turbulence features of jet flow field in mine stopes	dimensionless coefficient, jet width, jet length, turbulence intensity, reynolds stress	35, 4, 779-784	https://doi.org/10.18280/ijht.350412	Wang X.D., Wang X.Y., Lan L., Pu Y.Y. (2017). Turbulence features of jet flow field in mine stopes. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 779-784. https://doi.org/10.18280/ijht.350412
1136	Amelio M., Barbarelli S., Rovense F., Scornaienchi N.M.	Possibility of employing a small power tangential flow turbine prototype in a micro solar concentration plant	solar plant, small turbine prototype, design criteria, mirror field, case study	35, 4, 785-792	https://doi.org/10.18280/ijht.350413	Amelio M., Barbarelli S., Rovense F., Scornaienchi N.M. (2017). Possibility of employing a small power tangential flow turbine prototype in a micro solar concentration plant. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 785-792. https://doi.org/10.18280/ijht.350413
1137	Sun C., Zuo Z.S., Lu W., Liu X.T., Guo X.L., Liu F.	Visualization of the heat transfer character of dry slag discharge system	dry slag discharge system, heat transfer character, numerical calculation, visualization	35, 4, 793-798	https://doi.org/10.18280/ijht.350414	Sun C., Zuo Z.S., Lu W., Liu X.T., Guo X.L., Liu F. (2017). Visualization of the heat transfer character of dry slag discharge system. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 793-798. https://doi.org/10.18280/ijht.350414
1138	Landers B.D., Disimile P.J., Toy N.	The fluid thermal field over a flat heated disk	thermal field, flat heated disk, surface ignition, pool boiling, film boiling	35, 4, 799-805	https://doi.org/10.18280/ijht.350415	Landers B.D., Disimile P.J., Toy N. (2017). The fluid thermal field over a flat heated disk. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 799-805. https://doi.org/10.18280/ijht.350415
1139	Zhao Q., Bai Z.C., Lu A.J., Liu Q.	Research on the ablation of fused silica irradiated by Laguerre-Gaussian beam	laser technique, simulation, fused silica, laguerre gauss beam, vaporization	35, 4, 806-810	https://doi.org/10.18280/ijht.350416	Zhao Q., Bai Z.C., Lu A.J., Liu Q. (2017). Research on the ablation of fused silica irradiated by Laguerre-Gaussian beam. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 806-810. https://doi.org/10.18280/ijht.350416

1140	Chaware P., Sewatkar C.M.	Effects of tangential and radial velocity on the heat transfer for flow through pipe with twisted tape insert-turbulent flow	heat transfer augmentation, radial velocity, tangential velocity, twisted tape	35, 4, 811-820	https://doi.org/10.18280/ijht.350417	Chaware P., Sewatkar C.M. (2017). Effects of tangential and radial velocity on the heat transfer for flow through pipe with twisted tape insert-turbulent flow, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 811-820. https://doi.org/10.18280/ijht.350417
1141	Wang H.B., Guo X.G.	Transient analysis of thermal and moisture transfer in building materials	hybrid numerical method, coupled heat and moisture transfer, transient analysis	35, 4, 821-826	https://doi.org/10.18280/ijht.350418	Wang H.B., Guo X.G. (2017). Transient analysis of thermal and moisture transfer in building materials, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 821-826. https://doi.org/10.18280/ijht.350418
1142	Casano G., Fossa M., Piva S.	Development and testing of a compound parabolic collector for large acceptance angle thermal applications	solar thermal collector, compound parabolic concentrator CPC, evacuated tubes	35, 4, 827-835	https://doi.org/10.18280/ijht.350419	Casano G., Fossa M., Piva S. (2017). Development and testing of a compound parabolic collector for large acceptance angle thermal applications, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 827-835. https://doi.org/10.18280/ijht.350419
1143	Tong X., Guo W.G., Kang K.Q., Qin Y.P.	Experimental evaluation of heat and moisture transmission characteristics of the working ensemble of hot coal mines using the thermal manikin	mine thermal hazard, mining ensemble, thermal insulation, evaporative resistance, thermal	35, 4, 836-842	https://doi.org/10.18280/ijht.350420	Tong X., Guo W.G., Kang K.Q., Qin Y.P. (2017). Experimental evaluation of heat and moisture transmission characteristics of the working ensemble of hot coal mines using the thermal manikin, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 836-842. https://doi.org/10.18280/ijht.350420
1144	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D.	Equivalent electrical circuit to estimate the PV/T solar collector producibility	electrical analogy, solar collectors, PV/T collectors	35, 4, 843-852	https://doi.org/10.18280/ijht.350421	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D. (2017). Equivalent electrical circuit to estimate the PV/T solar collector producibility, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 843-852. https://doi.org/10.18280/ijht.350421
1145	De Angelis A., Chinese D., Saro O.	Free-cooling potential in shopping mall buildings with plants equipped by dry-coolers boosted with evaporative pads	evaporative pad, energy saving, free cooling, TRNSYS, shopping mall	35, 4, 853-862	https://doi.org/10.18280/ijht.350422	De Angelis A., Chinese D., Saro O. (2017). Free-cooling potential in shopping mall buildings with plants equipped by dry-coolers boosted with evaporative pads, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 853-862. https://doi.org/10.18280/ijht.350422
1146	Srivastava P., Dewan A., Bajpai J.K.	Flow and heat transfer characteristics in convergent-divergent shaped microchannel with ribs and cavities	convergent-divergent shape, ribs and cavities, heat transfer enhancement, thermal boundary-layer, Nusselt number	35, 4, 863-873	https://doi.org/10.18280/ijht.350423	Srivastava P., Dewan A., Bajpai J.K. (2017). Flow and heat transfer characteristics in convergent-divergent shaped microchannel with ribs and cavities, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 863-873. https://doi.org/10.18280/ijht.350423
1147	Elahmer M., Abboudi S., Boukadida N.	Nanofluid effect on forced convective heat transfer inside a heated horizontal tube	forced convection, laminar flow, unsteady, hybrid nanofluid, conjugated heat transfer	35, 4, 874-882	https://doi.org/10.18280/ijht.350424	Elahmer M., Abboudi S., Boukadida N. (2017). Nanofluid effect on forced convective heat transfer inside a heated horizontal tube, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 874-882. https://doi.org/10.18280/ijht.350424
1148	Benyoucef D., Zeroual M., Benmoussa H.	Natural convection in tilted rectangular cavities due to bidirectional temperature gradient	CFD simulation, inclined vessel, heat transfer, natural convection, structure.	35, 4, 883-892	https://doi.org/10.18280/ijht.350425	Benyoucef D., Zeroual M., Benmoussa H. (2017). Natural convection in tilted rectangular cavities due to bidirectional temperature gradient, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 883-892. https://doi.org/10.18280/ijht.350425
1149	Aamina F.A.B., Khan I., Saqib N.A.S.M.	Magnetohydrodynamic flow of brinkman-type engine oil based MoS ₂ -nanofluid in a rotating disk with hall effect	BEOBMN, MHD flow, closed-form solutions, the laplace transform.	35, 4, 893-902	https://doi.org/10.18280/ijht.350426	Aamina F.A.B., Khan I., Saqib N.A.S.M. (2017). Magnetohydrodynamic flow of brinkman-type engine oil based MoS ₂ -nanofluid in a rotating disk with hall effect, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 893-902. https://doi.org/10.18280/ijht.350426
1150	Nahak M.P., Triveni M.K., Panua R.	Numerical investigation of mixed convection in a lid-driven triangular cavity with a circular cylinder using ANN modeling	mixed convection, triangular enclosure, grashof number, richardson number, ANN.	35, 4, 903-918	https://doi.org/10.18280/ijht.350427	Nahak M.P., Triveni M.K., Panua R. (2017). Numerical investigation of mixed convection in a lid-driven triangular cavity with a circular cylinder using ANN modeling, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 903-918. https://doi.org/10.18280/ijht.350427
1151	Gogoi P., Triveni M.K., Panua R.	Numerical investigation of 3D turbulent forced convective heat transfer and friction characteristics of a square duct	darcy friction factor, forced convection, nusselt number, reynolds number, thermal enhancement factor.	35, 4, 919-932	https://doi.org/10.18280/ijht.350428	Gogoi P., Triveni M.K., Panua R. (2017). Numerical investigation of 3D turbulent forced convective heat transfer and friction characteristics of a square duct, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 919-932. https://doi.org/10.18280/ijht.350428
1152	Yejjer O., Kolsi L., Al-Rashed A.A.A.A., Aydi A., Borjini M.N., Ben Aissia H.	Numerical analysis of natural convection and entropy generation in a 3D partitioned cavity	3D, entropy generation, inclination angles, natural convection, partitions.	35, 4, 933-943	https://doi.org/10.18280/ijht.350429	Yejjer O., Kolsi L., Al-Rashed A.A.A.A., Aydi A., Borjini M.N., Ben Aissia H. (2017). Numerical analysis of natural convection and entropy generation in a 3D partitioned cavity, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 933-943. https://doi.org/10.18280/ijht.350429
1153	Cetin E., Cetkin E.	The effect of cavities and T-shaped assembly of fins on overall thermal resistances	constructal law, heat transfer enhancement, cavity, fin, convective heat transfer.	35, 4, 944-952	https://doi.org/10.18280/ijht.350430	Cetin E., Cetkin E. (2017). The effect of cavities and T-shaped assembly of fins on overall thermal resistances, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 944-952. https://doi.org/10.18280/ijht.350430
1154	Zhao Y.S., Li P., Yin Q.L., Wang T.	Effect of suction nozzle structure on reverse circulation performance of down-the-hole hammer drill bit	down-the-hole (DTH) hammer drilling, reverse circulation (RC), drill bit, computational fluid dynamics (CFD).	35, 4, 953-958	https://doi.org/10.18280/ijht.350431	Zhao Y.S., Li P., Yin Q.L., Wang T. (2017). Effect of suction nozzle structure on reverse circulation performance of down-the-hole hammer drill bit, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 953-958. https://doi.org/10.18280/ijht.350431
1155	Adibi O., Farhanieh B., Afshin H.	Numerical study of heat and mass transfer in underexpanded sonic free jet	numerical simulation, gas release, sonic free jets, high pressure tanks, shock waves.	35, 4, 959-968	https://doi.org/10.18280/ijht.350432	Adibi O., Farhanieh B., Afshin H. (2017). Numerical study of heat and mass transfer in underexpanded sonic free jet, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 959-968. https://doi.org/10.18280/ijht.350432
1156	Jasim H.H., Söylemez M.S.	Optimization of a rectangular pin fin using rectangular perforations with different inclination angles	fin, incline perforation, natural convection, degenerate hypergeometric equation, optimization, entropy minimization.	35, 4, 969-977	https://doi.org/10.18280/ijht.350433	Jasim H.H., Söylemez M.S. (2017). Optimization of a rectangular pin fin using rectangular perforations with different inclination angles, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 4, pp. 969-977. https://doi.org/10.18280/ijht.350433

1157	Kumar P.V., Ibrahim S.M., Lorenzini G.	Impact of thermal radiation and Joule heating on MHD mixed convection flow of a Jeffrey fluid over a stretching sheet using homotopy analysis method	jeffrey fluid, thermal radiation, heat source, viscous dissipation, HAM.	35, 4, 978-986	https://doi.org/10.18280/ijht.350434	Kumar P.V., Ibrahim S.M., Lorenzini G. (2017). Impact of thermal radiation and Joule heating on MHD mixed convection flow of a Jeffrey fluid over a stretching sheet using homotopy analysis method, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 978-986. https://doi.org/10.18280/ijht.350434
1158	Emam T.G., Elmaboud Y.A.	Three-dimensional magneto-hydrodynamic flow over an exponentially stretching surface	heat transfer, MHD flow, stretching surface, three-dimensional flow.	35, 4, 987-996	https://doi.org/10.18280/ijht.350435	Emam T.G., Elmaboud Y.A. (2017). Three-dimensional magneto-hydrodynamic flow over an exponentially stretching surface, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 987-996. https://doi.org/10.18280/ijht.350435
1159	Du H.W., Xiong W., Xu C., Jiang Z.A.	Research on the controllability and energy saving of the pneumatic direct drive system	pneumatic energy saving, directly driven system, system identification, PID control, fuzzy PID control.	35, 4, 997-1004	https://doi.org/10.18280/ijht.350436	Du H.W., Xiong W., Xu C., Jiang Z.A. (2017). Research on the controllability and energy saving of the pneumatic direct drive system, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 997-1004. https://doi.org/10.18280/ijht.350436
1160	Ahamed S.M.S., Mondal S., Sibanda P.	Impulsive nanofluid flow along a vertical stretching cone	chemical reaction, nanofluid flow, stretching or shrinking cone, spectral local linearization method.	35, 4, 1005-1014	https://doi.org/10.18280/ijht.350437	Ahamed S.M.S., Mondal S., Sibanda P. (2017). Impulsive nanofluid flow along a vertical stretching cone, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1005-1014. https://doi.org/10.18280/ijht.350437
1161	Priyam A., Chand P.	Heat transfer and pressure drop characteristics of wavy fin solar air heater	collector length, thermal efficiency, pressure drop, solar air heater.	35, 4, 1015-1022	https://doi.org/10.18280/ijht.350438	Priyam A., Chand P. (2017). Heat transfer and pressure drop characteristics of wavy fin solar air heater, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1015-1022. https://doi.org/10.18280/ijht.350438
1162	Mekroussi S., Kherris S., Mebarki B., Benchatti A.	Mixed convection in complicated cavity with non-uniform heating on both sidewalls	mixed convection, lid-driven cavity, wavy wall, spatially variable temperature, amplitude, phase deviation.	35, 4, 1023-1033	https://doi.org/10.18280/ijht.350439	Mekroussi S., Kherris S., Mebarki B., Benchatti A. (2017). Mixed convection in complicated cavity with non-uniform heating on both sidewalls, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1023-1033. https://doi.org/10.18280/ijht.350439
1163	Emani S., Yusoh N.A., Gounder R.M., Shaari K.Z.K.	Effect of operating conditions on crude oil fouling through CFD simulations	asphaltenes, CFD, crude oil, fouling, heat transfer.	35, 4, 1034-1044	https://doi.org/10.18280/ijht.350440	Emani S., Yusoh N.A., Gounder R.M., Shaari K.Z.K. (2017). Effect of operating conditions on crude oil fouling through CFD simulations, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1034-1044. https://doi.org/10.18280/ijht.350440
1164	Guo R., Zhang W.M., Jiang J.Z., Li J., Zhang Y.T.	Gas-liquid two-phase flow characteristics in pump-assisted evacuation process for pipeline	hilly-terrain pipeline, pump-assisted evacuation, gas liquid flow, flow pattern transition, pressure fluctuation.	35, 4, 1045-1050	https://doi.org/10.18280/ijht.350441	Guo R., Zhang W.M., Jiang J.Z., Li J., Zhang Y.T. (2017). Gas-liquid two-phase flow characteristics in pump-assisted evacuation process for pipeline, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1045-1050. https://doi.org/10.18280/ijht.350441
1165	Negro E., Cardinale N., Rospi G.	Technical feasibility of heating systems for two school districts in the town of Matera	heat pump cogeneration plant, energy audit, energy performance, technical feasibility.	35, 4, 1051-1060	https://doi.org/10.18280/ijht.350442	Negro E., Cardinale N., Rospi G. (2017). Technical feasibility of heating systems for two school districts in the town of Matera, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1051-1060. https://doi.org/10.18280/ijht.350442
1166	Liao W.T., Deng X.Y.	Numerical simulation of pressure relief gas flow under mining conditions	pressure relief gas (PRG), buried pipe extraction, numerical simulation, overlying and underlying coal-rock masses.	35, 4, 1061-1064	https://doi.org/10.18280/ijht.350443	Liao W.T., Deng X.Y. (2017). Numerical simulation of pressure relief gas flow under mining conditions, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1061-1064. https://doi.org/10.18280/ijht.350443
1167	Moungar H., Ahmed A., Youcef S., Aabdelkrim H.	Immersed fins influence on the double slope solar still production in south Algeria climatic condition	solar still, distilled water, shadow, immersed fins, radiative flux.	35, 4, 1065-1071	https://doi.org/10.18280/ijht.350444	Moungar H., Ahmed A., Youcef S., Aabdelkrim H. (2017). Immersed fins influence on the double slope solar still production in south Algeria climatic condition, International Journal of Heat and Technology, Vol. 35, No. 4, pp. 1065-1071. https://doi.org/10.18280/ijht.350444
1168	Ajibade A.O., Onoja T.U.	Entropy generation and irreversibility analysis due to steady mixed convection flow in a vertical porous channel	entropy generation, mixed convection, homotopy perturbation, irreversibility distribution.	35, 3, 433-446	https://doi.org/10.18280/ijht.350301	Ajibade A.O., Onoja T.U. (2017). Entropy generation and irreversibility analysis due to steady mixed convection flow in a vertical porous channel, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 433-446. https://doi.org/10.18280/ijht.350301
1169	Boutra A., Ragui K., Labsi N., Benkahla Y.K.	Free convection enhancement within a nanofluid filled enclosure with square heaters	natural convection, square enclosure, ag-water nanofluid, CuO-water nanofluid, AL2o3-water nanofluid, square heaters, finite volume approach.	35, 3, 447-458	https://doi.org/10.18280/ijht.350302	Boutra A., Ragui K., Labsi N., Benkahla Y.K. (2017). Free convection enhancement within a nanofluid filled enclosure with square heaters, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 447-458. https://doi.org/10.18280/ijht.350302
1170	Ambethkar V., Kumar M.	Numerical solutions of 2-D unsteady incompressible flow with heat transfer in a driven square cavity using streamfunction-vorticity formulation	components of velocity, isobars, isotherms, low and moderate reynolds numbers, no-slip and slip boundary conditions, nusselt number, stream function-vorticity formulation, two sided lid-driven square cavity.	35, 3, 459-473	https://doi.org/10.18280/ijht.350303	Ambethkar V., Kumar M. (2017). Numerical solutions of 2-D unsteady incompressible flow with heat transfer in a driven square cavity using streamfunction-vorticity formulation, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 459-473. https://doi.org/10.18280/ijht.350303
1171	Mesmoudi K., Meguellati K., Bournet P.E.	Thermal analysis of greenhouses installed under semi arid climate	greenhouse design, thermal analysis, CFD simulation, radiation, coupled model.	35, 3, 474-486	https://doi.org/10.18280/ijht.350304	Mesmoudi K., Meguellati K., Bournet P.E. (2017). Thermal analysis of greenhouses installed under semi arid climate, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 474-486. https://doi.org/10.18280/ijht.350304
1172	Srinivasacharya D., Shafeurrahman M.	Joule heating effect on entropy generation in MHD mixed convection flow of chemically reacting nanofluid between two concentric cylinders	entropy generation, chemical reaction, MHD, nanofluid, concentric cylinders, joule heating effect, HAM.	35, 3, 487-497	https://doi.org/10.18280/ijht.350305	Srinivasacharya D., Shafeurrahman M. (2017). Joule heating effect on entropy generation in MHD mixed convection flow of chemically reacting nanofluid between two concentric cylinders, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 487-497. https://doi.org/10.18280/ijht.350305
1173	Bataineh K., Taamneh Y.	Performance analysis of stand-alone solar dish Stirling system for electricity generation	standalone solar dish stirling, solar thermal power, performance, energy conversion efficiency, SAM, techno economic.	35, 3, 498-508	https://doi.org/10.18280/ijht.350306	Bataineh K., Taamneh Y. (2017). Performance analysis of stand-alone solar dish Stirling system for electricity generation, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 498-508. https://doi.org/10.18280/ijht.350306

1174	Sarma P.K., Konijeti R., Subramanyam T., Prasad L.S.V., Korada V.S., Srinivas V., Vedula D.R., Prasad V.S.R.K.	Fouling and its effect on the thermal performance of heat exchanger tubes	fouling, heat exchangers, maintenance, critical period, unsteady state.	35, 3, 509-519	https://doi.org/10.18280/ijht.350307	Sarma P.K., Konijeti R., Subramanyam T., Prasad L.S.V., Korada V.S., Srinivas V., Vedula D.R., Prasad V.S.R.K. (2017). Fouling and its effect on the thermal performance of heat exchanger tubes, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 509-519. https://doi.org/10.18280/ijht.350307
1175	Lalmi D., Hadeif R.	Numerical study of the swirl direction effect at the turbulent diffusion flame characteristics	swirl, large eddy simulation, turbulence, flame, CO and counter swirl.	35, 3, 520-528	https://doi.org/10.18280/ijht.350308	Lalmi D., Hadeif R. (2017). Numerical study of the swirl direction effect at the turbulent diffusion flame characteristics, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 520-528. https://doi.org/10.18280/ijht.350308
1176	Jawarneh A.M., Al-Widyan M., Al-Migdady A., Tlilan H., Tarawneh M., Ababneh A.	Double vortex generators for increasing the separation efficiency of the air separator	air separator, double vortex generator, turbulent, multi-phase, LES.	35, 3, 529-538	https://doi.org/10.18280/ijht.350309	Jawarneh A.M., Al-Widyan M., Al-Migdady A., Tlilan H., Tarawneh M., Ababneh A. (2017). Double vortex generators for increasing the separation efficiency of the air separator, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 529-538. https://doi.org/10.18280/ijht.350309
1177	Aun T.S., Abdullah M.Z., Gunnasegaran P.	Influence of low concentration of diamond water nanofluid in loop heat pipe	heat transfer coefficient, loop heat pipe, nanofluid, total thermal resistance.	35, 3, 539-548	https://doi.org/10.18280/ijht.350310	Aun T.S., Abdullah M.Z., Gunnasegaran P. (2017). Influence of low concentration of diamond water nanofluid in loop heat pipe, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 539-548. https://doi.org/10.18280/ijht.350310
1178	Piancastelli L., Burnelli A., Cassani S.	Validation of a simplified method for the evaluation of pressure and temperature on a RR Merlin XX head	optimization, simulation, CAD, geometry, FEA, thermal analysis, piston engine.	35, 3, 549-558	https://doi.org/10.18280/ijht.350311	Piancastelli L., Burnelli A., Cassani S. (2017). Validation of a simplified method for the evaluation of pressure and temperature on a RR Merlin XX head, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 549-558. https://doi.org/10.18280/ijht.350311
1179	Fei J.B., Wen H.	Experimental research on temperature variation and crack development in coalfield fire	coal seam, overlying strata, temperature variation, thermal destruction, crack development.	35, 3, 559-566	https://doi.org/10.18280/ijht.350312	Fei J.B., Wen H. (2017). Experimental research on temperature variation and crack development in coalfield fire, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 559-566. https://doi.org/10.18280/ijht.350312
1180	Messaoud H., Bachir M., Djamel S.	Numerical study of mixed convection and flow pattern in various across-shape concave enclosures	mixed convection, driven cavity, shaped enclosure, finite volume method.	35, 3, 567-575	https://doi.org/10.18280/ijht.350313	Messaoud H., Bachir M., Djamel S. (2017). Numerical study of mixed convection and flow pattern in various across-shape concave enclosures, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 567-575. https://doi.org/10.18280/ijht.350313
1181	Amara I., Mazioud A., Boulaoued I., Mhimid A.	Experimental study on thermal properties of bio-composite (gypsum plaster reinforced with palm tree fibers) for building insulation	palm-tree-fiber, thermal conductivity, thermal diffusivity, DICO method, modeling and measurement.	35, 3, 576-584	https://doi.org/10.18280/ijht.350314	Amara I., Mazioud A., Boulaoued I., Mhimid A. (2017). Experimental study on thermal properties of bio-composite (gypsum plaster reinforced with palm tree fibers) for building insulation, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 576-584. https://doi.org/10.18280/ijht.350314
1182	Li J., Zhang W.M.	Experimental research on hydraulic characteristic of centrifugal pump in plateau	experimental research, plateau, centrifugal pump, hydraulic characteristics, pressure, flow, efficiency.	35, 3, 585-593	https://doi.org/10.18280/ijht.350315	Li J., Zhang W.M. (2017). Experimental research on hydraulic characteristic of centrifugal pump in plateau, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 585-593. https://doi.org/10.18280/ijht.350315
1183	Mansouri Z., Boushaki T., Aouissi M.	Detached eddy simulation of non-reacting swirling flow in a vortex burner	detached eddy simulation, precessing vortex core, swirl, vortex burner.	35, 3, 594-602	https://doi.org/10.18280/ijht.350316	Mansouri Z., Boushaki T., Aouissi M. (2017). Detached eddy simulation of non-reacting swirling flow in a vortex burner, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 594-602. https://doi.org/10.18280/ijht.350316
1184	Vinod P.D., Singh S.N.	Thermo-hydraulic performance analysis of jet plate solar air heater under cross flow condition	jet plate, collector efficiency, absorber plate, convective heat transfer coefficient, Nusselt number, friction factor.	35, 3, 603-610	https://doi.org/10.18280/ijht.350317	Vinod P.D., Singh S.N. (2017). Thermo-hydraulic performance analysis of jet plate solar air heater under cross flow condition, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 603-610. https://doi.org/10.18280/ijht.350317
1185	Fan J.W., Liu Y., Liu L.L., Yang S.R.	Hydrodynamics of residual oil droplet displaced by polymer solution in micro-channels of lipophilic rocks	polymer waterflooding, viscoelasticity, stress distribution, weissenberg number.	35, 3, 611-618	https://doi.org/10.18280/ijht.350318	Fan J.W., Liu Y., Liu L.L., Yang S.R. (2017). Hydrodynamics of residual oil droplet displaced by polymer solution in micro-channels of lipophilic rocks, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 611-618. https://doi.org/10.18280/ijht.350318
1186	Maouassi A., Baghidja A., Daoud S., Zeraibi N.	Numerical study of nanofluid heat transfer SiO ₂ through a solar flat plate collector	solar energy, CFD, nanofluid, heat transfer, SiO ₂ nanoparticles, solar flat plate collector.	35, 3, 619-625	https://doi.org/10.18280/ijht.350319	Maouassi A., Baghidja A., Daoud S., Zeraibi N. (2017). Numerical study of nanofluid heat transfer SiO ₂ through a solar flat plate collector, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 619-625. https://doi.org/10.18280/ijht.350319
1187	Gao X.Q., Zhu Y.H., Wang J.J., Jin Y.H.	Effects of elbow structure of natural gas pipeline on condensation of water vapor	elbow, condensate, two-phase flow, UDF.	35, 3, 626-632	https://doi.org/10.18280/ijht.350320	Gao X.Q., Zhu Y.H., Wang J.J., Jin Y.H. (2017). Effects of elbow structure of natural gas pipeline on condensation of water vapor, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 626-632. https://doi.org/10.18280/ijht.350320
1188	Hassan A.R., Adesanya S.O., Lebelo R.S., Falade J.A.	Irreversibility analysis for a mixed convective flow of a reactive couple stress fluid flow through channel saturated porous materials	reactive fluid, couple stress fluid, porous medium, buoyancy effect and adomian decomposition method (ADM).	35, 3, 633-638	https://doi.org/10.18280/ijht.350321	Hassan A.R., Adesanya S.O., Lebelo R.S., Falade J.A. (2017). Irreversibility analysis for a mixed convective flow of a reactive couple stress fluid flow through channel saturated porous materials, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 633-638. https://doi.org/10.18280/ijht.350321
1189	Carla B., Giuseppe P.	Numerical multiphysics modelling for the assessment of thermo-physical and energy performance of an advanced semi-opaque active façade	advanced active facade, CFD, multiphysics, energy design, sustainability	35, 3, 639-644	https://doi.org/10.18280/ijht.350322	Carla B., Giuseppe P. (2017). Numerical multiphysics modelling for the assessment of thermo-physical and energy performance of an advanced semi-opaque active façade, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 639-644. https://doi.org/10.18280/ijht.350322
1190	Arunachalam U.P., Edwin M.	Theoretical investigation of a ceramic monolith heat exchanger using silicon carbide and aluminium nitride as heat exchanger material	ceramic recuperator, cross flow heat exchanger, effectiveness, heat transfer, pressure drop	35, 3, 645-650	https://doi.org/10.18280/ijht.350323	Arunachalam U.P., Edwin M. (2017). Theoretical investigation of a ceramic monolith heat exchanger using silicon carbide and aluminium nitride as heat exchanger material, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 645-650. https://doi.org/10.18280/ijht.350323

1191	Sadeghiazad M.B.M.	Experimental and numerical study on the effect of the convergence angle, injection pressure and injection number on thermal performance of straight vortex tube	experimental study, numerical analysis, vortex tube, convergent nozzle, cryogenic capacity, optimization	35, 3, 651-656	https://doi.org/10.18280/ijht.350324	Sadeghiazad M.B.M. (2017). Experimental and numerical study on the effect of the convergence angle, injection pressure and injection number on thermal performance of straight vortex tube, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 651-656. https://doi.org/10.18280/ijht.350324
1192	Djedai H., Mdouki R., Mansouri Z., Aouissi M.	Numerical investigation of three-dimensional separation control in an axial compressor cascade	axial compressor, boundary layer blowing, flow control, flow topology, separation	35, 3, 657-662	https://doi.org/10.18280/ijht.350325	Djedai H., Mdouki R., Mansouri Z., Aouissi M. (2017). Numerical investigation of three-dimensional separation control in an axial compressor cascade, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 657-662. https://doi.org/10.18280/ijht.350325
1193	Zheng J.H., Zhang W.M., Jiang J.Z., Guo R.	CFD simulation and experimental study of water-oil displacement flow in an inclined pipe	immiscible displacement, residual layer, interface instability, numerical simulation	35, 3, 663-667	https://doi.org/10.18280/ijht.350326	Zheng J.H., Zhang W.M., Jiang J.Z., Guo R. (2017). CFD simulation and experimental study of water-oil displacement flow in an inclined pipe, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 663-667. https://doi.org/10.18280/ijht.350326
1194	Sadeghiazad M.B.M.	Experimental study on thermal performance of double circuit vortex tube (DCVT) - Effect of heat transfer controller angle	double circuit vortex tube, heat transfer controller angle, energy separation, main length	35, 3, 668-672	https://doi.org/10.18280/ijht.350327	Sadeghiazad M.B.M. (2017). Experimental study on thermal performance of double circuit vortex tube (DCVT) - Effect of heat transfer controller angle, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 668-672. https://doi.org/10.18280/ijht.350327
1195	Mohamed S., Mokhtar A., Chatti T.B.	Numerical simulation of the compressible flow in convergent-divergent nozzle	converging-diverging nozzle, turbulence, shock wave, supersonic, compressible flow, finite volume	35, 3, 673-677	https://doi.org/10.18280/ijht.350328	Mohamed S., Mokhtar A., Chatti T.B. (2017). Numerical simulation of the compressible flow in convergent-divergent nozzle, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 673-677. https://doi.org/10.18280/ijht.350328
1196	Bilonoga Y., Maksysko O.	Modeling the interaction of coolant flows at the liquid-solid boundary with allowance for the laminar boundary layer	average thickness of the laminar boundary layers, surface number, turbulence coefficient, surfactants, coefficient of surface tension	35, 3, 678-682	https://doi.org/10.18280/ijht.350329	Bilonoga Y., Maksysko O. (2017). Modeling the interaction of coolant flows at the liquid-solid boundary with allowance for the laminar boundary layer, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 678-682. https://doi.org/10.18280/ijht.350329
1197	Li Z., Li J., Yang W., Liang J.B.	The simplified calculation model of pneumatic garbage transportation at acceleration period in horizontal straight pipe	pneumatic garbage collection, horizontal straight pipe, simplified model, equivalent drag coefficient, equivalent particle number ratio	35, 3, 683-687	https://doi.org/10.18280/ijht.350330	Li Z., Li J., Yang W., Liang J.B. (2017). The simplified calculation model of pneumatic garbage transportation at acceleration period in horizontal straight pipe, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 683-687. https://doi.org/10.18280/ijht.350330
1198	Polonara F., Kuijpers L.J.M., Peixoto R.A.	Potential impacts of the Montreal Protocol Kigali Amendment to the choice of refrigerant alternatives	montreal protocol, HFCs, kigali amendment, HFC regulations, low-GWP refrigerants	35, Sp. 1, S1-S8	https://doi.org/10.18280/ijht.35Sp0101	Polonara F., Kuijpers L.J.M., Peixoto R.A. (2017). Potential impacts of the Montreal Protocol Kigali Amendment to the choice of refrigerant alternatives, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S1-S8. https://doi.org/10.18280/ijht.35Sp0101
1199	Scafetta N., Mirandola A., Bianchini A.	Natural climate variability, part 1: Observations versus the modeled predictions	Climate Change, Post 2000 Temperature Standstill, Climate Models, Natural Climatic Oscillations	35, Sp. 1, S9-S17	https://doi.org/10.18280/ijht.35Sp0102	Scafetta N., Mirandola A., Bianchini A. (2017). Natural climate variability, part 1: Observations versus the modeled predictions, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S9-S17. https://doi.org/10.18280/ijht.35Sp0102
1200	Scafetta N., Mirandola A., Bianchini A.	Natural climate variability, part 2: Interpretation of the post 2000 temperature standstill	climate change, post 2000 temperature standstill, climate models, natural climatic oscillations	35, Sp. 1, S18-S26	https://doi.org/10.18280/ijht.35Sp0103	Scafetta N., Mirandola A., Bianchini A. (2017). Natural climate variability, part 2: Interpretation of the post 2000 temperature standstill, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S18-S26. https://doi.org/10.18280/ijht.35Sp0103
1201	Lodi C., Malaguti V., Contini F.M., Sala L., Muscio A., Tartarini P.	University energy planning for reducing energy consumption and GHG emissions: the case study of a university campus in Italy	energy planning, benchmark, energy audit, normalization, degree-days	35, Sp. 1, S27-S32	https://doi.org/10.18280/ijht.35Sp0104	Lodi C., Malaguti V., Contini F.M., Sala L., Muscio A., Tartarini P. (2017). University energy planning for reducing energy consumption and GHG emissions: the case study of a university campus in Italy, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S27-S32. https://doi.org/10.18280/ijht.35Sp0104
1202	Silenzi F., Priarone A., Fossa M.	Energy demand modeling and forecast of Monoblocco Building at the city hospital of Genova according to different retrofit scenarios	energy saving, buildings, retrofitting, energy plus, dynamic simulation	35, Sp. 1, S33-S40	https://doi.org/10.18280/ijht.35Sp0105	Silenzi F., Priarone A., Fossa M. (2017). Energy demand modeling and forecast of Monoblocco Building at the city hospital of Genova according to different retrofit scenarios, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S33-S40. https://doi.org/10.18280/ijht.35Sp0105
1203	Gagliano A., Nocera F.	Analysis of the performances of electric energy storage in residential applications	electric energy storage, PV plant, renewable energy, energy costs	35, Sp. 1, S41-S48	https://doi.org/10.18280/ijht.35Sp0106	Gagliano A., Nocera F. (2017). Analysis of the performances of electric energy storage in residential applications, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S41-S48. https://doi.org/10.18280/ijht.35Sp0106
1204	Dirutigliano D., Delmastro C., Moghadam S.T.	Energy efficient urban districts: A multi-criteria application for selecting retrofit actions	multi criteria analysis, urban district, energy savings scenarios, building stock, GIS	35, Sp. 1, S49-S57	https://doi.org/10.18280/ijht.35Sp0107	Dirutigliano D., Delmastro C., Moghadam S.T. (2017). Energy efficient urban districts: A multi-criteria application for selecting retrofit actions, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S49-S57. https://doi.org/10.18280/ijht.35Sp0107
1205	Arteconi A., Polonra F.	Demand side management in refrigeration applications	refrigeration, DSM, DR, flexibility	35, Sp. 1, S58-S63	https://doi.org/10.18280/ijht.35Sp0108	Arteconi A., Polonra F. (2017). Demand side management in refrigeration applications, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S58-S63. https://doi.org/10.18280/ijht.35Sp0108
1206	Bergero S., Cavalletti P., Michelini M.	Analysis of thermal control and heat accounting economic convenience in typical Italian housing unit and climatic zones	thermal control, heat accounting, cost-benefit analysis, directive 2012/27/UE	35, Sp. 1, S64-S70	https://doi.org/10.18280/ijht.35Sp0109	Bergero S., Cavalletti P., Michelini M. (2017). Analysis of thermal control and heat accounting economic convenience in typical Italian housing unit and climatic zones, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S64-S70. https://doi.org/10.18280/ijht.35Sp0109
1207	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D.	Predictive methods to estimate the producibility of PV/T solar collectors	electrical analogy, solar collectors, PV/T collectors	35, Sp. 1, S71-S77	https://doi.org/10.18280/ijht.35Sp0110	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D. (2017). Predictive methods to estimate the producibility of PV/T solar collectors, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S71-S77. https://doi.org/10.18280/ijht.35Sp0110

1208	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Nicoletti F.	Law of motion of reflectors for a linear Fresnel plant	concentrating solar power, linear fresnel, law of motion, primary reflectors	35, Sp. 1, S78-S86	https://doi.org/10.18280/ijht.35Sp0111	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Nicoletti F. (2017). Law of motion of reflectors for a linear Fresnel plant, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S78-S86. https://doi.org/10.18280/ijht.35Sp0111
1209	Cannistraro G., Cannistraro M., Trovato G.	Islands "Smart Energy" for eco-sustainable energy a case study "Favignana Island"	sustainable energy, photovoltaic, wind power, energy swell, water resource	35, Sp. 1, S87-S95	https://doi.org/10.18280/ijht.35Sp0112	Cannistraro G., Cannistraro M., Trovato G. (2017). Islands "Smart Energy" for eco-sustainable energy a case study "Favignana Island", International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S87-S95. https://doi.org/10.18280/ijht.35Sp0112
1210	Puglia M., Pedrazzi S., Allesina G., Morselli N., Tartarini P.	Vine prunings biomass as fuel in wood stoves for thermal power production	efficiency, power, prunings, stove, vine	35, Sp. 1, S96-S101	https://doi.org/10.18280/ijht.35Sp0113	Puglia M., Pedrazzi S., Allesina G., Morselli N., Tartarini P. (2017). Vine prunings biomass as fuel in wood stoves for thermal power production, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S96-S101. https://doi.org/10.18280/ijht.35Sp0113
1211	Barbato M., Cirillo L., Menditto L., Moretti R., Nardini S.	Geothermal energy application in Campi Flegrei Area: The case study of a swimming pool building	geothermal energy, renewable energy, life cycle energy analysis, swimming pool, heat pump	35, Sp. 1, S102-S107	https://doi.org/10.18280/ijht.35Sp0114	Barbato M., Cirillo L., Menditto L., Moretti R., Nardini S. (2017). Geothermal energy application in Campi Flegrei Area: The case study of a swimming pool building, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S102-S107. https://doi.org/10.18280/ijht.35Sp0114
1212	Marino C., Nucera A., Nucera G., Pietrafesa M.	Economic, energetic and environmental analysis of the waste management system of Reggio Calabria	waste, recycling, landfill, greenhouse gas emission	35, Sp. 1, S108-S116	https://doi.org/10.18280/ijht.35Sp0115	Marino C., Nucera A., Nucera G., Pietrafesa M. (2017). Economic, energetic and environmental analysis of the waste management system of Reggio Calabria, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S108-S116. https://doi.org/10.18280/ijht.35Sp0115
1213	Bianco V., Piazza G., Scarpa F., Tagliafico L.A.	Energy, economic and environmental assessment of the utilization of heat pumps for buildings heating in the Italian residential sector	energy planning, heat pumps, energy strategy, energy management, energy policy	35, Sp. 1, S117-S122	https://doi.org/10.18280/ijht.35Sp0116	Bianco V., Piazza G., Scarpa F., Tagliafico L.A. (2017). Energy, economic and environmental assessment of the utilization of heat pumps for buildings heating in the Italian residential sector, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S117-S122. https://doi.org/10.18280/ijht.35Sp0116
1214	Fateh A., Borelli D., Devia F., Weinläeder H.	Dynamic modelling of the solar radiation exposure effects on the thermal performance of a PCMs-integrated wall	PCM, solar, dynamic modeling, horizontal, sun declination angle	35, Sp. 1, S123-S129	https://doi.org/10.18280/ijht.35Sp0117	Fateh A., Borelli D., Devia F., Weinläeder H. (2017). Dynamic modelling of the solar radiation exposure effects on the thermal performance of a PCMs-integrated wall, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S123-S129. https://doi.org/10.18280/ijht.35Sp0117
1215	Calabrò P.S., Panzera M.F.	Biomethane production tests on ensiled orange peel waste	anaerobic digestion process, biogas, ensiling, methane, orange peel waste	35, Sp. 1, S130-S136	https://doi.org/10.18280/ijht.35Sp0118	Calabrò P.S., Panzera M.F. (2017). Biomethane production tests on ensiled orange peel waste, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S130-S136. https://doi.org/10.18280/ijht.35Sp0118
1216	Scafetta N., Fortelli A., Mazzarella A.	Meteo-climatic characterization of Naples and its heating-cooling degree day areal distribution	urban heat island, heating and cooling degree days, city energy consumption, zonation	35, Sp. 1, S137-S144	https://doi.org/10.18280/ijht.35Sp0119	Scafetta N., Fortelli A., Mazzarella A. (2017). Meteo-climatic characterization of Naples and its heating-cooling degree day areal distribution, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S137-S144. https://doi.org/10.18280/ijht.35Sp0119
1217	Quinlan B., Kaufmann B., Allesina G., Pedrazzi S., Hasty J., Puglia M., Morselli N., Tartarini P.	The use of on-line colorimetry for tar content evaluation in gasification systems	biomass, gasification, syngas, tars, light absorbance	35, Sp. 1, S145-S151	https://doi.org/10.18280/ijht.35Sp0120	Quinlan B., Kaufmann B., Allesina G., Pedrazzi S., Hasty J., Puglia M., Morselli N., Tartarini P. (2017). The use of on-line colorimetry for tar content evaluation in gasification systems, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S145-S151. https://doi.org/10.18280/ijht.35Sp0120
1218	Caldera M., Puglisi G., Zanghirella F., Margiotta F., Ungaro P., Talucci V., Cammarata G.	Proposal of a survey-based methodology for the determination of the energy consumption in the residential sector	energy consumption, households, numerical model, residential sector, survey	35, Sp. 1, S152-S158	https://doi.org/10.18280/ijht.35Sp0121	Caldera M., Puglisi G., Zanghirella F., Margiotta F., Ungaro P., Talucci V., Cammarata G. (2017). Proposal of a survey-based methodology for the determination of the energy consumption in the residential sector, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S152-S158. https://doi.org/10.18280/ijht.35Sp0121
1219	Nocera F., Gagliano A., Evola G., Marletta L., Faraci A.	The Kyoto Rotation Fund as a policy tool for climate change mitigation: The case study of an Italian school	kyoto fund, school, energy efficiency, school retrofitting, energy saving	35, Sp. 1, S159-S165	https://doi.org/10.18280/ijht.35Sp0122	Nocera F., Gagliano A., Evola G., Marletta L., Faraci A. (2017). The Kyoto Rotation Fund as a policy tool for climate change mitigation: The case study of an Italian school, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S159-S165. https://doi.org/10.18280/ijht.35Sp0122
1220	Rovense F., Perez M.S., Amelio M., Ferraro V., Scornaienchi N.M.	Feasibility analysis of a solar field for a closed unfired Joule-Brayton cycle	concentrated solar power, solar gas turbine, heliostat solar field, closed joule-brayton cycle	35, Sp. 1, S166-S171	https://doi.org/10.18280/ijht.35Sp0123	Rovense F., Perez M.S., Amelio M., Ferraro V., Scornaienchi N.M. (2017). Feasibility analysis of a solar field for a closed unfired Joule-Brayton cycle, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S166-S171. https://doi.org/10.18280/ijht.35Sp0123
1221	Malaguti V., Lodi C., Sassatelli M., Pedrazzi S., Allesina G., Tartarini P.	Dynamic behavior investigation of a micro biomass CHP system for residential use	gasification, trnsys, combined heat and power, dynamic simulation, biomass	35, Sp. 1, S172-S178	https://doi.org/10.18280/ijht.35Sp0124	Malaguti V., Lodi C., Sassatelli M., Pedrazzi S., Allesina G., Tartarini P. (2017). Dynamic behavior investigation of a micro biomass CHP system for residential use, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S172-S178. https://doi.org/10.18280/ijht.35Sp0124
1222	Casano G., Fossa M., Piva S.	Design and experimental characterization of a CPC solar collector	solar thermal collector, non-imaging optics, CPC	35, Sp. 1, S179-S185	https://doi.org/10.18280/ijht.35Sp0125	Casano G., Fossa M., Piva S. (2017). Design and experimental characterization of a CPC solar collector, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S179-S185. https://doi.org/10.18280/ijht.35Sp0125
1223	Borreani W., Bruzzone M., Chersola D., Firpo G., Lomonaco G., Palmero M., Panza F., Ripani M., Saracco P., Viberti C.M.	Preliminary thermal-fluid-dynamic assessment of an ADS irradiation facility for fast and slow neutrons	ADS, CFD, ansys fluent, Openfoam, Chanda	35, Sp. 1, S186-S190	https://doi.org/10.18280/ijht.35Sp0126	Borreani W., Bruzzone M., Chersola D., Firpo G., Lomonaco G., Palmero M., Panza F., Ripani M., Saracco P., Viberti C.M. (2017). Preliminary thermal-fluid-dynamic assessment of an ADS irradiation facility for fast and slow neutrons, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S186-S190. https://doi.org/10.18280/ijht.35Sp0126
1224	Fichera A., Frasca M., Volpe R.	The centralized energy supply in a network of distributed energy systems: A cost-based mathematical approach	centralized energy supply, complex networks, urban areas, distributed energy systems	35, Sp. 1, S191-S195	https://doi.org/10.18280/ijht.35Sp0127	Fichera A., Frasca M., Volpe R. (2017). The centralized energy supply in a network of distributed energy systems: A cost-based mathematical approach, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S191-S195. https://doi.org/10.18280/ijht.35Sp0127

1225	Borchiellini R., Corgnati S.P., Becchio C., Delmastro C., Bottero M.C., Dell'Anna F., Acquaviva A., Bottaccioli L., Patti E., Bompard E., Pons E., Estebsari A., Verda V., Santarelli M., Leone P., Lanzini A.	The Energy Center Initiative at Politecnico di Torino: Practical experiences on energy efficiency measures in the municipality of Torino	biowaste-to-energy, energy efficiency, urban environment, energy planning policies	35, Sp. 1, S196-S204	https://doi.org/10.18280/ijht.35Sp0128	Borchiellini R., Corgnati S.P., Becchio C., Delmastro C., Bottero M.C., Dell'Anna F., Acquaviva A., Bottaccioli L., Patti E., Bompard E., Pons E., Estebsari A., Verda V., Santarelli M., Leone P., Lanzini A. (2017). The Energy Center Initiative at Politecnico di Torino: Practical experiences on energy efficiency measures in the municipality of Torino, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S196-S204. https://doi.org/10.18280/ijht.35Sp0128
1226	Magrini A., Lazzari S., Marengo L.	Energy retrofitting of buildings and hygrothermal performance of building components: Application of the assessment methodology to a case study of social housing	EPBD, energy performance, vapour condensation risk, building refurbishment, NZEB	35, Sp. 1, S205-S213	https://doi.org/10.18280/ijht.35Sp0129	Magrini A., Lazzari S., Marengo L. (2017). Energy retrofitting of buildings and hygrothermal performance of building components: Application of the assessment methodology to a case study of social housing, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S205-S213. https://doi.org/10.18280/ijht.35Sp0129
1227	Bagnasco A., Catanzariti R., Coppi L., Fresi F., Silvestro F., Vinci A.	Multi facility energy monitoring in medical structures: Defining KPIs for energy saving and exporting best practices	energy monitoring, hospitals, energy efficiency, KPI, facility management	35, Sp. 1, S214-S220	https://doi.org/10.18280/ijht.35Sp0130	Bagnasco A., Catanzariti R., Coppi L., Fresi F., Silvestro F., Vinci A. (2017). Multi facility energy monitoring in medical structures: Defining KPIs for energy saving and exporting best practices, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S214-S220. https://doi.org/10.18280/ijht.35Sp0130
1228	Silvestro F., Bagnasco A., Lanza I., Massucco S., Vinci A.	Energy efficient policy and real time energy monitoring in a large hospital facility: A case study	energy efficiency, energy monitoring system, hospital facilities, demand side management, energy consumption optimization	35, Sp. 1, S221-S227	https://doi.org/10.18280/ijht.35Sp0131	Silvestro F., Bagnasco A., Lanza I., Massucco S., Vinci A. (2017). Energy efficient policy and real time energy monitoring in a large hospital facility: A case study, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S221-S227. https://doi.org/10.18280/ijht.35Sp0131
1229	Negro E., Cardinale N., Rospi G.	Design of small cogeneration system for public buildings in the town of Matera	cogeneration plant, energy audit, energy performance, technical and economic feasibility, white certificates	35, Sp. 1, S228-S235	https://doi.org/10.18280/ijht.35Sp0132	Negro E., Cardinale N., Rospi G. (2017). Design of small cogeneration system for public buildings in the town of Matera, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S228-S235. https://doi.org/10.18280/ijht.35Sp0132
1230	Genco A., Viggiano A., Viscido L., Sellitto G., Magi V.	Optimization of microclimate control systems for air-conditioned environments	dynamic simulation, air conditioning, control systems, microclimate, energy efficiency	35, Sp. 1, S236-S243	https://doi.org/10.18280/ijht.35Sp0133	Genco A., Viggiano A., Viscido L., Sellitto G., Magi V. (2017). Optimization of microclimate control systems for air-conditioned environments, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S236-S243. https://doi.org/10.18280/ijht.35Sp0133
1231	Benato A., Stoppato A., Mirandola A.	State-of-the-art and future development of sensible heat thermal electricity storage systems	energy storage, pumped thermal electricity storage, PHS, CAES	35, Sp. 1, S244-S251	https://doi.org/10.18280/ijht.35Sp0134	Benato A., Stoppato A., Mirandola A. (2017). State-of-the-art and future development of sensible heat thermal electricity storage systems, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S244-S251. https://doi.org/10.18280/ijht.35Sp0134
1232	Ierardi L., Liuzzi S., Stefanizzi P.	Visual and energy performance of glazed office buildings in Mediterranean climate	glazed envelope, simulation, thermal comfort, visual comfort, energy consumption	35, Sp. 1, S252-S260	https://doi.org/10.18280/ijht.35Sp0135	Ierardi L., Liuzzi S., Stefanizzi P. (2017). Visual and energy performance of glazed office buildings in Mediterranean climate, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S252-S260. https://doi.org/10.18280/ijht.35Sp0135
1233	Gulotta T.M., Guarino F., Cellura M., Lorenzini G.	Constructal law optimization of a boiler	boiler, constructal law, modelling, parametric analysis, overall performance coefficient	35, Sp. 1, S261-S269	https://doi.org/10.18280/ijht.35Sp0136	Gulotta T.M., Guarino F., Cellura M., Lorenzini G. (2017). Constructal law optimization of a boiler, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S261-S269. https://doi.org/10.18280/ijht.35Sp0136
1234	Borreani W., Devia F., Lomonaco G., Marchitto A.	CFD initial assessment of a protrusions based experimental facility	compact heat exchangers, protrusions, parallel channels, CFD simulations, OpenFOAM	35, Sp. 1, S270-S280	https://doi.org/10.18280/ijht.35Sp0137	Borreani W., Devia F., Lomonaco G., Marchitto A. (2017). CFD initial assessment of a protrusions based experimental facility, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S270-S280. https://doi.org/10.18280/ijht.35Sp0137
1235	Erkinaci T., Baytas F.	CFD investigation of a sensible packed bed thermal energy storage system with different porous materials	thermal energy storage, sensible packed bed, porous medium, storage material, CFD fluent	35, Sp. 1, S281-S287	https://doi.org/10.18280/ijht.35Sp0138	Erkinaci T., Baytas F. (2017). CFD investigation of a sensible packed bed thermal energy storage system with different porous materials, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S281-S287. https://doi.org/10.18280/ijht.35Sp0138
1236	Huminić G., Huminić A.	Numerical analysis of hybrid nanofluids as coolants for automotive applications	hybrid nanofluids, flat tube, heat transfer	35, Sp. 1, S288-S292	https://doi.org/10.18280/ijht.35Sp0139	Huminić G., Huminić A. (2017). Numerical analysis of hybrid nanofluids as coolants for automotive applications, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S288-S292. https://doi.org/10.18280/ijht.35Sp0139
1237	Gotovsky M.A., Kolpakov S.P., Mikhailov V.E., Sukhorukov Y.G., Trifonov N.N.	Ways of dimpling use for efficiency improvement of shell and tube heat exchangers with finned tubes	plate-and-tube heat exchanger, heat transfer enhancement, dimples, plane fins	35, Sp. 1, S293-S299	https://doi.org/10.18280/ijht.35Sp0140	Gotovsky M.A., Kolpakov S.P., Mikhailov V.E., Sukhorukov Y.G., Trifonov N.N. (2017). Ways of dimpling use for efficiency improvement of shell and tube heat exchangers with finned tubes, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S293-S299. https://doi.org/10.18280/ijht.35Sp0140
1238	Borreani W., Chersola D., Lomonaco G., Misale M.	Assessment of a 2D CFD model for a single phase natural circulation loop	CFD, natural circulation, ANSYS-FLUENT, single phase, rectangular loop	35, Sp. 1, S300-S306	https://doi.org/10.18280/ijht.35Sp0141	Borreani W., Chersola D., Lomonaco G., Misale M. (2017). Assessment of a 2D CFD model for a single phase natural circulation loop, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S300-S306. https://doi.org/10.18280/ijht.35Sp0141
1239	Lassandro P., Turi S.D.	Energy efficiency and resilience against increasing temperatures in summer: the use of PCM and cool materials in buildings	climate change resilience, PCM, cool materials, cooling energy saving, retrofit	35, Sp. 1, S307-S315	https://doi.org/10.18280/ijht.35Sp0142	Lassandro P., Turi S.D. (2017). Energy efficiency and resilience against increasing temperatures in summer: the use of PCM and cool materials in buildings, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S307-S315. https://doi.org/10.18280/ijht.35Sp0142
1240	Bottarelli M., Bortoloni M.	On the heat transfer through roof tile coverings	ventilated roof, above sheathing ventilation, tile air permeability, CFD, novel tile shapes	35, Sp. 1, S316-S321	https://doi.org/10.18280/ijht.35Sp0143	Bottarelli M., Bortoloni M. (2017). On the heat transfer through roof tile coverings, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S316-S321. https://doi.org/10.18280/ijht.35Sp0143
1241	Zaccone R., Sacile R., Fossa M.	Energy modelling and decision support algorithm for the exploitation of biomass resources in industrial districts	biomass, cogeneration, district heating, CHP plant, optimization	35, Sp. 1, S322-S329	https://doi.org/10.18280/ijht.35Sp0144	Zaccone R., Sacile R., Fossa M. (2017). Energy modelling and decision support algorithm for the exploitation of biomass resources in industrial districts, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S322-S329. https://doi.org/10.18280/ijht.35Sp0144

1242	Mahabaleshwar U., Lorenzini G.	Combined effect of heat source/sink and stress work on MHD Newtonian fluid flow over a stretching porous sheet	MHD, newtonian fluid, stretching/shrinking sheet, porous medium, mass transfer, non-linear differential equation, heat transfer, kummer's function	35, Sp. 1, S330-S335	https://doi.org/10.18280/ijht.35Sp0145	Mahabaleshwar U., Lorenzini G. (2017). Combined effect of heat source/sink and stress work on MHD Newtonian fluid flow over a stretching porous sheet, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S330-S335. https://doi.org/10.18280/ijht.35Sp0145
1243	Guazzi G., Bellazzi A., Meroni I., Magrini A.	Refurbishment design through cost-optimal methodology: The case study of a social housing in the northern Italy	cost-optimal methodology, energy refurbishment, energy saving, social housing refurbishment	35, Sp. 1, S336-S344	https://doi.org/10.18280/ijht.35Sp0146	Guazzi G., Bellazzi A., Meroni I., Magrini A. (2017). Refurbishment design through cost-optimal methodology: The case study of a social housing in the northern Italy, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S336-S344. https://doi.org/10.18280/ijht.35Sp0146
1244	Saio C., Nocentini K., Tagliafico L.A., Biwole P.H., Achard P.	Application of advanced insulating materials in historical buildings	thermal insulation, silica aerogel, historical buildings, energy savings	35, Sp. 1, S345-S352	https://doi.org/10.18280/ijht.35Sp0147	Saio C., Nocentini K., Tagliafico L.A., Biwole P.H., Achard P. (2017). Application of advanced insulating materials in historical buildings, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S345-S352. https://doi.org/10.18280/ijht.35Sp0147
1245	Bianco V., Diana A., Manca O., Nardini S.	Thermal behavior evaluation of ventilated roof under summer and winter conditions	ventilated roof, numerical investigation, summer, winter conditions, energy saving, fluent	35, Sp. 1, S353-S360	https://doi.org/10.18280/ijht.35Sp0148	Bianco V., Diana A., Manca O., Nardini S. (2017). Thermal behavior evaluation of ventilated roof under summer and winter conditions, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S353-S360. https://doi.org/10.18280/ijht.35Sp0148
1246	Angelis A.D., Ceccotti L., Saro O.	Energy savings evaluation for dry-cooler equipped plants in shopping mall buildings	trnsys, energy saving, cooling, commercial mall, dry cooler	35, Sp. 1, S361-S366	https://doi.org/10.18280/ijht.35Sp0149	Angelis A.D., Ceccotti L., Saro O. (2017). Energy savings evaluation for dry-cooler equipped plants in shopping mall buildings, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S361-S366. https://doi.org/10.18280/ijht.35Sp0149
1247	Borelli D., Repetto S., Schenone C.	Numerical transient simulations of heating plants for buildings	heating plants, buildings, numerical models, dynamic models, MATLAB/Simulink	35, Sp. 1, S367-S374	https://doi.org/10.18280/ijht.35Sp0150	Borelli D., Repetto S., Schenone C. (2017). Numerical transient simulations of heating plants for buildings, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S367-S374. https://doi.org/10.18280/ijht.35Sp0150
1248	Cardinale T., Arleo G., Bernardo F., Feo A., Fazio P.D.	Investigations on thermal and mechanical properties of cement mortar with reed and straw fibers	cement mortar, natural organic fiber, thermal and mechanical characterization, predictive model, statistical analysis	35, Sp. 1, S375-S382	https://doi.org/10.18280/ijht.35Sp0151	Cardinale T., Arleo G., Bernardo F., Feo A., Fazio P.D. (2017). Investigations on thermal and mechanical properties of cement mortar with reed and straw fibers, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S375-S382. https://doi.org/10.18280/ijht.35Sp0151
1249	Aprea C., Greco A., Maiorino A., Masselli C.	Analyzing the energetic performances of AMR regenerator working with different magnetocaloric materials: Investigations and viewpoints	magnetic refrigeration, AMR, numerical model, gadolinium, performance map	35, Sp. 1, S383-S390	https://doi.org/10.18280/ijht.35Sp0152	Aprea C., Greco A., Maiorino A., Masselli C. (2017). Analyzing the energetic performances of AMR regenerator working with different magnetocaloric materials: Investigations and viewpoints, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S383-S390. https://doi.org/10.18280/ijht.35Sp0152
1250	Barbarelli S., Florio G., Scornaienchi N.M.	Theoretical and experimental analysis of a new compressible flow small power turbine prototype	compressible flow, tangential flow small turbine, rotary channel, test rig	35, Sp. 1, S391-S398	https://doi.org/10.18280/ijht.35Sp0153	Barbarelli S., Florio G., Scornaienchi N.M. (2017). Theoretical and experimental analysis of a new compressible flow small power turbine prototype, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S391-S398. https://doi.org/10.18280/ijht.35Sp0153
1251	Fiorentino M., Starace G.	Experimental investigations on air side heat and mass transfer phenomena in evaporative condensers	thermo-fluid dynamic analysis, evaporative condensers, experimental tests, heat rejection, test bench	35, Sp. 1, S399-S404	https://doi.org/10.18280/ijht.35Sp0154	Fiorentino M., Starace G. (2017). Experimental investigations on air side heat and mass transfer phenomena in evaporative condensers, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S399-S404. https://doi.org/10.18280/ijht.35Sp0154
1252	Ejaz R., Good G., Sharma S., Trancossi M.	Energetic design of a new autogyro aircraft with cyclorotors with possibility of energy harvesting	autogyro, energy, exergy evaluation, electric cogeneration, EMIPS	35, Sp. 1, S405-S412	https://doi.org/10.18280/ijht.35Sp0155	Ejaz R., Good G., Sharma S., Trancossi M. (2017). Energetic design of a new autogyro aircraft with cyclorotors with possibility of energy harvesting, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S405-S412. https://doi.org/10.18280/ijht.35Sp0155
1253	Aprea C., Greco A., Maiorino A.	An experimental evaluation of the greenhouse effect in the substitution of R134a with pure and mixed HFO in a domestic refrigerator	HFC134a, HFO1234yf, HFO1234ze, experimental plant, greenhouse effect, TEWI	35, Sp. 1, S413-S418	https://doi.org/10.18280/ijht.35Sp0156	Aprea C., Greco A., Maiorino A. (2017). An experimental evaluation of the greenhouse effect in the substitution of R134a with pure and mixed HFO in a domestic refrigerator, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S413-S418. https://doi.org/10.18280/ijht.35Sp0156
1254	Marino C., Misiani P., Nucara A., Pietrafesa M.	The effect of the climatic condition on the radiant asymmetry	local discomfort, radiant asymmetry, solar radiation	35, Sp. 1, S419-S426	https://doi.org/10.18280/ijht.35Sp0157	Marino C., Misiani P., Nucara A., Pietrafesa M. (2017). The effect of the climatic condition on the radiant asymmetry, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S419-S426. https://doi.org/10.18280/ijht.35Sp0157
1255	Cucumo M., Ferraro V., Kaliakatsos D., Crea F., Tassone F., Mumoli A., Mele M.	Thermodynamic analysis of a prototype indirect screw drier for aggregates and recycled mineral aggregates	thermodynamic analysis, prototype screw indirect drier, recycled aggregates	35, Sp. 1, S427-S434	https://doi.org/10.18280/ijht.35Sp0158	Cucumo M., Ferraro V., Kaliakatsos D., Crea F., Tassone F., Mumoli A., Mele M. (2017). Thermodynamic analysis of a prototype indirect screw drier for aggregates and recycled mineral aggregates, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S427-S434. https://doi.org/10.18280/ijht.35Sp0158
1256	Rocca V.L., Morale M., Peri G., Scaccianoce G.	A solar pond for feeding a thermoelectric generator or an organic Rankine cycle system	solar pond, organic rankine cycle, solar collector, thermal storage, low enthalpy sources	35, Sp. 1, S435-S441	https://doi.org/10.18280/ijht.35Sp0159	Rocca V.L., Morale M., Peri G., Scaccianoce G. (2017). A solar pond for feeding a thermoelectric generator or an organic Rankine cycle system, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S435-S441. https://doi.org/10.18280/ijht.35Sp0159
1257	Cannistraro G., Cannistraro M., Galvagno A., Trovato G.	Analysis and measures for energy savings in operating theaters	air-conditioning systems, energy saving, thermal comfort, air quality, hospitals	35, Sp. 1, S442-S448	https://doi.org/10.18280/ijht.35Sp0160	Cannistraro G., Cannistraro M., Galvagno A., Trovato G. (2017). Analysis and measures for energy savings in operating theaters, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S442-S448. https://doi.org/10.18280/ijht.35Sp0160
1258	Cogliandro S., Cravero C., Marini M., Spoladore A.	Simulation strategies for regenerative chambers in glass production plants with strategic exhaust gas recirculation system	glass furnace, exhaust gas recovery system, gas emissivity	35, Sp. 1, S449-S455	https://doi.org/10.18280/ijht.35Sp0161	Cogliandro S., Cravero C., Marini M., Spoladore A. (2017). Simulation strategies for regenerative chambers in glass production plants with strategic exhaust gas recirculation system, International Journal of Heat and Technology, Vol. 35, Special Issue 1, pp. S449-S455. https://doi.org/10.18280/ijht.35Sp0161

1259	Cannistraro M., Bernardo E.	Monitoring of the indoor microclimate in hospital environments a case study the Papardo hospital in Messina	thermo-hygrometric comfort, illuminance, IAQ, ISO7730, UNI10339, UNI8199	35, Sp. 1, S456-S465	https://doi.org/10.18280/ijht.35Sp0162	Cannistraro M., Bernardo E. (2017). Monitoring of the indoor microclimate in hospital environments a case study the Papardo hospital in Messina, <i>International Journal of Heat and Technology</i> , Vol. 35, Special Issue 1, pp. S456-S465. https://doi.org/10.18280/ijht.35Sp0162
1260	Ferruzzi G., Rossi F., Bracale A.	Bidding strategy of a micro grid for the day-ahead energy and spinning reserve markets: the problem formulation	smart grid, deregulated markets, risk management, optimization problem	35, Sp. 1, S466-S471	https://doi.org/10.18280/ijht.35Sp0163	Ferruzzi G., Rossi F., Bracale A. (2017). Bidding strategy of a micro grid for the day-ahead energy and spinning reserve markets: the problem formulation, <i>International Journal of Heat and Technology</i> , Vol. 35, Special Issue 1, pp. S466-S471. https://doi.org/10.18280/ijht.35Sp0163
1261	Andreozzi A., Buonomo B., Ercole D., Manca O.	Phase Change Materials (PCMs) in a honeycomb system for solar energy applications	thermal storage, PCM, phase change material, porous media, honeycomb	35, Sp. 1, S472-S477	https://doi.org/10.18280/ijht.35Sp0164	Andreozzi A., Buonomo B., Ercole D., Manca O. (2017). Phase Change Materials (PCMs) in a honeycomb system for solar energy applications, <i>International Journal of Heat and Technology</i> , Vol. 35, Special Issue 1, pp. S472-S477. https://doi.org/10.18280/ijht.35Sp0164
1262	Arpino F., Ciccolella M., Cortellessa G., Massarotti N., Mauro A.	Influence of one porous layer insert on the transient heat transfer in a tall annulus in presence of large source terms	AC-CBS, partially porous annulus, low darcy number, transient natural convection	35, Sp. 1, S478-S484	https://doi.org/10.18280/ijht.35Sp0165	Arpino F., Ciccolella M., Cortellessa G., Massarotti N., Mauro A. (2017). Influence of one porous layer insert on the transient heat transfer in a tall annulus in presence of large source terms, <i>International Journal of Heat and Technology</i> , Vol. 35, Special Issue 1, pp. S478-S484. https://doi.org/10.18280/ijht.35Sp0165
1263	Fichera A., Pagano A.	A neural tool for the prediction of the experimental dynamics of two-phase flows	dynamical model, neural identification, short-term prediction, two-phase flow	35, 2, 235-242	https://doi.org/10.18280/ijht.350201	Fichera A., Pagano A. (2017). A neural tool for the prediction of the experimental dynamics of two-phase flows, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 235-242. https://doi.org/10.18280/ijht.350201
1264	Pesteci S.M., Mashoofi N., Pourahmad S., Roshan A.	Numerical investigation on the effect of a modified corrugated double tube heat exchanger on heat transfer enhancement and exergy losses	double-tube heat exchanger, exergy losses, heat transfer, modified corrugated tube	35, 2, 243-248	https://doi.org/10.18280/ijht.350202	Pesteci S.M., Mashoofi N., Pourahmad S., Roshan A. (2017). Numerical investigation on the effect of a modified corrugated double tube heat exchanger on heat transfer enhancement and exergy losses, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 243-248. https://doi.org/10.18280/ijht.350202
1265	Huang Y., Chen L.J., Li M.J., Zhang B., Chen X.L., Zhang L.N.	Influence of radiating tube type on heat dissipation of assembled radiators	assembled radiator, flat tube type, heat dissipation performance, wasp-waisted tube type	35, 2, 249-254	https://doi.org/10.18280/ijht.350203	Huang Y., Chen L.J., Li M.J., Zhang B., Chen X.L., Zhang L.N. (2017). Influence of radiating tube type on heat dissipation of assembled radiators, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 249-254. https://doi.org/10.18280/ijht.350203
1266	Abdelhafidi A., Chabira S.F., Yagoubi W., Mistretta M.C., Lamantia F.P., Sebaa M., Benchatti A.	Sun radiation and temperature impact at different periods of the year on the photooxidation of polyethylene films	low density polyethylene, photooxidation, FTIR, sun radiation, DSC, crystallinity index	35, 2, 255-261	https://doi.org/10.18280/ijht.350204	Abdelhafidi A., Chabira S.F., Yagoubi W., Mistretta M.C., Lamantia F.P., Sebaa M., Benchatti A. (2017). Sun radiation and temperature impact at different periods of the year on the photooxidation of polyethylene films, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 255-261. https://doi.org/10.18280/ijht.350204
1267	Adesanya S.O., Fakoya M.B., Falade J.A., Lebelo R.S., Okewole D.M.	Existence of secondary flows in a reactive viscous fluid through a channel filled with a porous medium	multiple solutions, secondary flow, porous medium, combustion, adomian decomposition method	35, 2, 262-266	https://doi.org/10.18280/ijht.350205	Adesanya S.O., Fakoya M.B., Falade J.A., Lebelo R.S., Okewole D.M. (2017). Existence of secondary flows in a reactive viscous fluid through a channel filled with a porous medium, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 262-266. https://doi.org/10.18280/ijht.350205
1268	Guo B.	Optimal surface texture design of journal bearing with axial grooves	surface texture, journal bearing, JFO boundary condition, load-carrying capacity	35, 2, 267-272	https://doi.org/10.18280/ijht.350206	Guo B. (2017). Optimal surface texture design of journal bearing with axial grooves, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 267-272. https://doi.org/10.18280/ijht.350206
1269	Ambethkar V., Kushawaha D.	Numerical simulations of fluid flow and heat transfer in a four-sided lid-driven rectangular domain	heat transfer, isotherms, nusselt number, velocity, streamlines	35, 2, 273-278	https://doi.org/10.18280/ijht.350207	Ambethkar V., Kushawaha D. (2017). Numerical simulations of fluid flow and heat transfer in a four-sided lid-driven rectangular domain, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 273-278. https://doi.org/10.18280/ijht.350207
1270	Belloufi Y., Brima A., Zerouali S., Atmani R., Aissaoui F., Rouag A., Moumni N.	Numerical and experimental investigation on the transient behavior of an earth air heat exchanger in continuous operation mode	earth air heat exchanger, cooling mode, continuous operation mode, thermal comfort	35, 2, 279-288	https://doi.org/10.18280/ijht.350208	Belloufi Y., Brima A., Zerouali S., Atmani R., Aissaoui F., Rouag A., Moumni N. (2017). Numerical and experimental investigation on the transient behavior of an earth air heat exchanger in continuous operation mode, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 279-288. https://doi.org/10.18280/ijht.350208
1271	Aissaoui F., Benmachiche A.H., Brima A., Belloufi Y., Belkhir M.	Numerical study on thermal performance of a solar air collector with fins and baffles attached over the absorber plate	baffles, efficiency, fins, solar air collector	35, 2, 289-296	https://doi.org/10.18280/ijht.350209	Aissaoui F., Benmachiche A.H., Brima A., Belloufi Y., Belkhir M. (2017). Numerical study on thermal performance of a solar air collector with fins and baffles attached over the absorber plate, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 289-296. https://doi.org/10.18280/ijht.350209
1272	Gulotta T.M., Guarino F., Cellura M., Lorenzini G.	Constructal law optimization of a boiler	boiler, constructal law, modelling, parametric analysis, overall performance coefficient	35, 2, 297-305	https://doi.org/10.18280/ijht.350210	Gulotta T.M., Guarino F., Cellura M., Lorenzini G. (2017). Constructal law optimization of a boiler, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 297-305. https://doi.org/10.18280/ijht.350210
1273	Fu T.T., Liu J., Liao R.G.	Water holdup in no-slip oil-water two-phase stratified flow	oil-water two-phase flow, no-slip water holdup, inlet water fraction, stratified flow model, three-phase segregated flow model	35, 2, 306-312	https://doi.org/10.18280/ijht.350211	Fu T.T., Liu J., Liao R.G. (2017). Water holdup in no-slip oil-water two-phase stratified flow, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 306-312. https://doi.org/10.18280/ijht.350211
1274	Hamila R., Chaabane R., Askri F., Jemni A., Nasrallah S.B.	Lattice Boltzmann method for heat transfer problems with variable thermal conductivity	LBM, RTE, variable thermal conductivity, conduction, natural convection	35, 2, 313-324	https://doi.org/10.18280/ijht.350212	Hamila R., Chaabane R., Askri F., Jemni A., Nasrallah S.B. (2017). Lattice Boltzmann method for heat transfer problems with variable thermal conductivity, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 313-324. https://doi.org/10.18280/ijht.350212
1275	Scarpa F., Marchitto A., Tagliafico L.A.	Splitting the solar radiation in direct and diffuse components; insights and constrains on the clearness-diffuse fraction representation	diffuse fraction, radiation decomposition, clearness	35, 2, 325-329	https://doi.org/10.18280/ijht.350213	Scarpa F., Marchitto A., Tagliafico L.A. (2017). Splitting the solar radiation in direct and diffuse components; insights and constrains on the clearness-diffuse fraction representation, <i>International Journal of Heat and Technology</i> , Vol. 35, No. 2, pp. 325-329. https://doi.org/10.18280/ijht.350213

1276	Hamila R., Jemni A., Nasrallah S.B., Perré P.	Enthalpic lattice Boltzmann formulation for heat conduction during melting of PCMs with embedded solid blocks with different thermophysical properties	phase change material, lattice boltzmann method, diffusion, melting	35, 2, 330-338	https://doi.org/10.18280/ijht.350214	Hamila R., Jemni A., Nasrallah S.B., Perré P. (2017). Enthalpic lattice Boltzmann formulation for heat conduction during melting of PCMs with embedded solid blocks with different thermophysical properties, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 330-338. https://doi.org/10.18280/ijht.350214
1277	Hu M., Liu Y.X., Ren J.B., Zhang Y., Song L.B.	Temperature-induced slaking characteristics of mudstone during dry-wet cycles	mudstone, temperature-induced effects, rock fragmentation, Dry-Wet cycles, sieving test, fractal dimension	35, 2, 339-346	https://doi.org/10.18280/ijht.350215	Hu M., Liu Y.X., Ren J.B., Zhang Y., Song L.B. (2017). Temperature-induced slaking characteristics of mudstone during dry-wet cycles, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 339-346. https://doi.org/10.18280/ijht.350215
1278	Belhocine A., Omar W.Z.W.	Exact Graetz problem solution by using hypergeometric function	graetz problem, sturm-liouville problem, hypergeometric function, heat transfer	35, 2, 347-353	https://doi.org/10.18280/ijht.350216	Belhocine A., Omar W.Z.W. (2017). Exact Graetz problem solution by using hypergeometric function, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 347-353. https://doi.org/10.18280/ijht.350216
1279	Shen Z.L., Zhang Y.Q.	Experimental study on flow-induced vibration and energy transformation of regular triangular prisms of different characteristic widths	regular triangular prism, flow-induced vibration, characteristic width, energy transformation	35, 2, 354-359	https://doi.org/10.18280/ijht.350217	Shen Z.L., Zhang Y.Q. (2017). Experimental study on flow-induced vibration and energy transformation of regular triangular prisms of different characteristic widths, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 354-359. https://doi.org/10.18280/ijht.350217
1280	Bhattacharyya S., Das S., Sarkar A., Guin A., Mullick A.	Numerical simulation of flow and heat transfer around hexagonal cylinder	cylinder, hexagonal, forced convection, turbulent flow, SST model, heat transfer	35, 2, 360-363	https://doi.org/10.18280/ijht.350218	Bhattacharyya S., Das S., Sarkar A., Guin A., Mullick A. (2017). Numerical simulation of flow and heat transfer around hexagonal cylinder, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 360-363. https://doi.org/10.18280/ijht.350218
1281	Zaginaylo I.V., Maksimeniuk Y.A., Pysarenko A.N.	Two-dimensional numerical simulation study of the effective thermal conductivity statistics for binary composite materials	composite, effective thermal conductivity, heat transfer, numerical simulation	35, 2, 364-370	https://doi.org/10.18280/ijht.350219	Zaginaylo I.V., Maksimeniuk Y.A., Pysarenko A.N. (2017). Two-dimensional numerical simulation study of the effective thermal conductivity statistics for binary composite materials, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 364-370. https://doi.org/10.18280/ijht.350219
1282	Zhou H.J., Jia M.J., Liu B.X., Chen Z.	Thermal sensation in transient conditions at subway stations during the winter	thermal sensation, passenger comfort, effective temperature, transitional space, subway station	35, 2, 371-377	https://doi.org/10.18280/ijht.350220	Zhou H.J., Jia M.J., Liu B.X., Chen Z. (2017). Thermal sensation in transient conditions at subway stations during the winter, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 371-377. https://doi.org/10.18280/ijht.350220
1283	De D., Pal T.K., Bandyopadhyay S.	Helical baffle design in shell and tube type heat exchanger with CFD analysis	helical baffles, helix angle, shell and tube heat exchanger, overall heat transfer coefficient, pressure drop	35, 2, 378-383	https://doi.org/10.18280/ijht.350221	De D., Pal T.K., Bandyopadhyay S. (2017). Helical baffle design in shell and tube type heat exchanger with CFD analysis, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 378-383. https://doi.org/10.18280/ijht.350221
1284	Guo L., Bai D., Wen Z., Wang X.D.	Evaluation of numerical simulation accuracy for two-ways mixed flow drip irrigation emitter based on CFD	drip irrigation emitter, numerical simulation, calculation accuracy, index, weight coefficient	35, 2, 384-392	https://doi.org/10.18280/ijht.350222	Guo L., Bai D., Wen Z., Wang X.D. (2017). Evaluation of numerical simulation accuracy for two-ways mixed flow drip irrigation emitter based on CFD, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 384-392. https://doi.org/10.18280/ijht.350222
1285	Arunachalam U.P., Edwin M.	Experimental investigations on thermal performance of solar air heater with different absorber plates	solar air heater, glass plate, galvanized iron (GI) sheet, thermal efficiency, heat transfer	35, 2, 393-397	https://doi.org/10.18280/ijht.350223	Arunachalam U.P., Edwin M. (2017). Experimental investigations on thermal performance of solar air heater with different absorber plates, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 393-397. https://doi.org/10.18280/ijht.350223
1286	Qian S.R., Qin S.J., Shi H.S.	Influencing factors of peridynamics analysis and calculation	peridynamics, modelling, near-field region radius δ , analysis and calculation.	35, 2, 398-402	https://doi.org/10.18280/ijht.350224	Qian S.R., Qin S.J., Shi H.S. (2017). Influencing factors of peridynamics analysis and calculation, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 398-402. https://doi.org/10.18280/ijht.350224
1287	Ahrara A.J., Djavreshkianb M.H., Ataiyanc M.	Numerical simulation of Cu-water nanofluid magneto-hydro-dynamics and heat transfer in a cavity containing a circular cylinder of different size and positions	circular obstacle, nanoparticles' volume fraction, magnetic field intensity, direction	35, 2, 403-415	https://doi.org/10.18280/ijht.350225	Ahrara A.J., Djavreshkianb M.H., Ataiyanc M. (2017). Numerical simulation of Cu-water nanofluid magneto-hydro-dynamics and heat transfer in a cavity containing a circular cylinder of different size and positions, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 403-415. https://doi.org/10.18280/ijht.350225
1288	Keshtkar M.M.	Energy, exergy analysis and optimization by a genetic algorithm of a system based on a solar absorption chiller with a cylindrical PCM and nano-fluid	exergy, genetic algorithm, optimization, storage system, finite volume method nano-fluid	35, 2, 416-420	https://doi.org/10.18280/ijht.350226	Keshtkar M.M. (2017). Energy, exergy analysis and optimization by a genetic algorithm of a system based on a solar absorption chiller with a cylindrical PCM and nano-fluid, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 416-420. https://doi.org/10.18280/ijht.350226
1289	Xue Z.P., Liu Q.Y., Emmanuel P., Qin J.W., Liu D.J., Gao W., Gong Y.J., Bai X.W.	Analysis on the effects of pre-heating temperature on mechanical properties of pellets made from corn stalk powder	preheating temperature, mechanical properties, biomass pellet, corn stalk	35, 2, 421-425	https://doi.org/10.18280/ijht.350227	Xue Z.P., Liu Q.Y., Emmanuel P., Qin J.W., Liu D.J., Gao W., Gong Y.J., Bai X.W. (2017). Analysis on the effects of pre-heating temperature on mechanical properties of pellets made from corn stalk powder, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 421-425. https://doi.org/10.18280/ijht.350227
1290	Konijeti R.K., Sarma P.K., Puppala N., Sharma K.V., Prasad L.S.V.	A generalized correlation for the estimation of moisture removal in fruits and grains during hot air drying	mass transfer, unsteady state, Biot number, Fourier number, moisture	35, 2, 426-432	https://doi.org/10.18280/ijht.350228	Konijeti R.K., Sarma P.K., Puppala N., Sharma K.V., Prasad L.S.V. (2017). A generalized correlation for the estimation of moisture removal in fruits and grains during hot air drying, International Journal of Heat and Technology, Vol. 35, No. 2, pp. 426-432. https://doi.org/10.18280/ijht.350228
1291	Boukhalkhal A.L., Lasbet Y., Makhlof M., Loubar K.	Numerical study of the chaotic flow in three-dimensional open geometry and its effect on the both fluid mixing and heat performances	chaotic advection, mixing degree, Nusselt number, Poincaré sections, serpentine channel	35, 1, 1-10	https://doi.org/10.18280/ijht.350101	Boukhalkhal A.L., Lasbet Y., Makhlof M., Loubar K. (2017). Numerical study of the chaotic flow in three-dimensional open geometry and its effect on the both fluid mixing and heat performances, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 1-10. https://doi.org/10.18280/ijht.350101
1292	Triveni M.K., Panua R.	Numerical analysis of natural convection in a triangular cavity with different configurations of hot wall	hot wall configurations, triangular cavity, natural convection, Rayleigh number	35, 1, 11-18	https://doi.org/10.18280/ijht.350102	Triveni M.K., Panua R. (2017). Numerical analysis of natural convection in a triangular cavity with different configurations of hot wall, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 11-18. DOI: 10.18280/ijht.350102

1293	Zhao X., Qiu Z.S., Xu J.G., Zhao C., Gao J.	Flat-rheology oil-based drilling fluid for deepwater drilling	flat-rheology, oil-based drilling fluid, Deepwater drilling, low temperature, equivalent circulating density	35, 1, 19-24	https://doi.org/10.18280/ijht.350103	Zhao X., Qiu Z.S., Xu J.G., Zhao C., Gao J. (2017). Flat-rheology oil-based drilling fluid for deepwater drilling. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 19-24. https://doi.org/10.18280/ijht.350103
1294	Rajput G.R., Patil V.S., Krishna P.J.S.V.R.	Hydromagnetic bioconvection flow in the region of stagnation-point flow and heat transfer in non-Newtonian nanofluid past a moving surface with suction: similarity analysis	nanofluid, stagnation point, thermophoresis, Brownian motion, stretching sheet, gyrotactic microorganism	35, 1, 25-31	https://doi.org/10.18280/ijht.350104	Rajput G.R., Patil V.S., Krishna P.J.S.V.R. (2017). Hydromagnetic bioconvection flow in the region of stagnation-point flow and heat transfer in non-Newtonian nanofluid past a moving surface with suction: similarity analysis. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 25-31. https://doi.org/10.18280/ijht.350104
1295	Wen Z.H., Liu Y., Liu X.T., Liang B.	Experimental research into the effects of abrasive characteristics on abrasive gas jet coal-breaking performance	Abrasive Gas Jet (AGJ), jet coal breaking, abrasive characteristics, target distance, abrasive mesh number	35, 1, 32-36	https://doi.org/10.18280/ijht.350105	Wen Z.H., Liu Y., Liu X.T., Liang B. (2017). Experimental research into the effects of abrasive characteristics on abrasive gas jet coal-breaking performance. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 32-36. https://doi.org/10.18280/ijht.350105
1296	Singh J.K., Rohidas P., Joshi N., Begum S.G.	Influence of Hall and ion-slip currents on unsteady MHD free convective flow of a rotating fluid past an oscillating vertical plate	hall current, ion-slip, permeability, rotation, thermal diffusion, chemical molecular diffusion	35, 1, 37-52	https://doi.org/10.18280/ijht.350106	Singh J.K., Rohidas P., Joshi N., Begum S.G. (2017). Influence of Hall and ion-slip currents on unsteady MHD free convective flow of a rotating fluid past an oscillating vertical plate. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 37-52. https://doi.org/10.18280/ijht.350106
1297	Wang Y., Huang D.K.	Effect of heat treatment temperature on the structure and tribological properties of nanometer lanthanum borate	nanometer lanthanum borate, heat treatment, high temperature phase change, friction and wear, anti-friction and anti-wear mechanism	35, 1, 53-58	https://doi.org/10.18280/ijht.350107	Wang Y., Huang D.K. (2017). Effect of heat treatment temperature on the structure and tribological properties of nanometer lanthanum borate. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 53-58. https://doi.org/10.18280/ijht.350107
1298	Zeiny E., Farhadi M., Sedighi K.	Numerical investigation of the simultaneous influence of swirling flow and obstacles on plate in impinging jet	heat transfer, impinging jet, turbulent flow, swirling flow	35, 1, 59-66	https://doi.org/10.18280/ijht.350108	Zeiny E., Farhadi M., Sedighi K. (2017). Numerical investigation of the simultaneous influence of swirling flow and obstacles on plate in impinging jet. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 59-66. https://doi.org/10.18280/ijht.350108
1299	Wu J.S., Fu M., Tong X., Qin Y.P.	Heat stress evaluation at the working face in hot coal mines using an improved thermophysiological model	coal miner, heat strain, underground coal mines, thermal physiology	35, 1, 67-74	https://doi.org/10.18280/ijht.350109	Wu J.S., Fu M., Tong X., Qin Y.P. (2017). Heat stress evaluation at the working face in hot coal mines using an improved thermophysiological model. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 67-74. https://doi.org/10.18280/ijht.350109
1300	Sepahvandi F., Heravi H.M., Saleh S.R.	Numerical simulation of fish meat freezing with considering temperature-dependent thermal properties	numerical simulation, fish meat, freezing, heat transfer	35, 1, 75-81	https://doi.org/10.18280/ijht.350110	Sepahvandi F., Heravi H.M., Saleh S.R. (2017). Numerical simulation of fish meat freezing with considering temperature-dependent thermal properties. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 75-81. https://doi.org/10.18280/ijht.350110
1301	Rashad A.M.	Unsteady nanofluid flow over an inclined stretching surface with convective boundary condition and anisotropic slip impact	anisotropic slip, unsteady free convection, porous medium, nanofluids, convective boundary condition	35, 1, 82-90	https://doi.org/10.18280/ijht.350111	Rashad A.M. (2017). Unsteady nanofluid flow over an inclined stretching surface with convective boundary condition and anisotropic slip impact. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 82-90. https://doi.org/10.18280/ijht.350111
1302	Cui W.Z., Zhang X.T., Li Z.X., Li H., Liu Y.	Three-dimensional numerical simulation of flow around combined pier based on detached eddy simulation at high Reynolds numbers	high Reynolds numbers, combined pier, drag coefficient, lift coefficient	35, 1, 91-96	https://doi.org/10.18280/ijht.350112	Cui W.Z., Zhang X.T., Li Z.X., Li H., Liu Y. (2017). Three-dimensional numerical simulation of flow around combined pier based on detached eddy simulation at high Reynolds numbers. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 91-96. https://doi.org/10.18280/ijht.350112
1303	Mahadeven G., Sendilvelan S.	Temperature analysis of dynamic catalytic converter system with pre-catalyst in a multi cylinder spark ignition engine to reduce light-off time	dynamic catalytic converter, cold start emission, spark ignition engine, light off temperature	35, 1, 97-102	https://doi.org/10.18280/ijht.350113	Mahadeven G., Sendilvelan S. (2017). Temperature analysis of dynamic catalytic converter system with pre-catalyst in a multi cylinder spark ignition engine to reduce light-off time. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 97-102. https://doi.org/10.18280/ijht.350113
1304	Lei Y., Liao R.Q., Li M.X., Li Y., Luo W.	Modified Mukherjee-Brill prediction model of pressure gradient for multiphase flow in wells	multiphase flow, pressure gradient, prediction, mukherjee-brill model, regression analysis	35, 1, 103-108	https://doi.org/10.18280/ijht.350114	Lei Y., Liao R.Q., Li M.X., Li Y., Luo W. (2017). Modified Mukherjee-Brill prediction model of pressure gradient for multiphase flow in wells. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 103-108. https://doi.org/10.18280/ijht.350114
1305	Al-Rashed A.A.A.A., Kolsi L., Oztop H.F., Abu-Hamdeh N., Borjini M.N.	Natural convection and entropy production in a cubic cavity heated via pin-fins heat sinks	entropy production, 3D natural convection, heat sinks, flow structure	35, 1, 109-115	https://doi.org/10.18280/ijht.350115	Al-Rashed A.A.A.A., Kolsi L., Oztop H.F., Abu-Hamdeh N., Borjini M.N. (2017). Natural convection and entropy production in a cubic cavity heated via pin-fins heat sinks. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 109-115. https://doi.org/10.18280/ijht.350115
1306	Sakhrieh A.H., Al-Hares A.N., Faqes F.A., Al Baqain A.S., Alrafie N.H.	Optimization of oxyhydrogen gas flow rate as a supplementary fuel in compression ignition combustion engines	HHO, optimization, CI engine, engine performance	35, 1, 116-122	https://doi.org/10.18280/ijht.350116	Sakhrieh A.H., Al-Hares A.N., Faqes F.A., Al Baqain A.S., Alrafie N.H. (2017). Optimization of oxyhydrogen gas flow rate as a supplementary fuel in compression ignition combustion engines. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 116-122. https://doi.org/10.18280/ijht.350116
1307	Li X., Tang C., Wang Q., Li X.P., Hao J.	Molecular simulation research on the micro effect mechanism of interfacial properties of nano SiO ₂ /meta-aramid fiber	micro and nanoscale, interaction, hydrogen bonds, thermal stability	35, 1, 123-129	https://doi.org/10.18280/ijht.350117	Li X., Tang C., Wang Q., Li X.P., Hao J. (2017). Molecular simulation research on the micro effect mechanism of interfacial properties of nano SiO ₂ /meta-aramid fiber. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 123-129. https://doi.org/10.18280/ijht.350117
1308	Cascetta F., Cirillo L., Corte A.D., Nardini S.	Comparison between different solar cooling thermally driven system solutions for an office building in Mediterranean Area	economic analysis, simulation, solar collector, solar heating and cooling, sorption cooling	35, 1, 130-138	https://doi.org/10.18280/ijht.350118	Cascetta F., Cirillo L., Corte A.D., Nardini S. (2017). Comparison between different solar cooling thermally driven system solutions for an office building in Mediterranean Area. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 130-138. https://doi.org/10.18280/ijht.350118
1309	Zhang Y.T., Zhang W.M., Guo J., Guo J.Y., Guo R.	Analysis on the effects of the shapes of flexible fluid-filled containers on their impact response	flexible fluid-filled container, shape, impact response, ale method, liquid-solid coupling	35, 1, 139-146	https://doi.org/10.18280/ijht.350119	Zhang Y.T., Zhang W.M., Guo J., Guo J.Y., Guo R. (2017). Analysis on the effects of the shapes of flexible fluid-filled containers on their impact response. <i>International Journal of Heat and Technology</i> , Vol. 35, No. 1, pp. 139-146. https://doi.org/10.18280/ijht.350119

1310	Tian S.W., Wang C.M., Zhang Z.M.	A hybrid method of debris flow velocity estimation based on empirical equation	debris flow, empirical equations, velocity calculation, LSSVM, PSO	35, 1, 147-152	https://doi.org/10.18280/ijht.350120	Tian S.W., Wang C.M., Zhang Z.M. (2017). A hybrid method of debris flow velocity estimation based on empirical equation, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 147-152. https://doi.org/10.18280/ijht.350120
1311	Shukla A.K., Anupam D.	Flow and thermal characteristics of jet impingement: comprehensive review	jet impingement, ribs, turbulence, nusselt number, LES	35, 1, 153-166	https://doi.org/10.18280/ijht.350121	Shukla A.K., Anupam D. (2017). Flow and thermal characteristics of jet impingement: comprehensive review, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 153-166. https://doi.org/10.18280/ijht.350121
1312	Jiang X., Zhang L.	Research on the effect of rotation and curvature on turbulence model and their application	rotation and curvature effect, near-wall area, turbulence model, centrifugal pump	35, 1, 167-176	https://doi.org/10.18280/ijht.350122	Jiang X., Zhang L. (2017). Research on the effect of rotation and curvature on turbulence model and their application, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 167-176. https://doi.org/10.18280/ijht.350122
1313	Huang J., Yuan J.T., Wang Z.H.	Influence of thermal-mechanical coupling effect on vibration of double-drive feed system	thermal field, thermal-mechanical coupling, double-drive feed system, vibration	35, 1, 177-182	https://doi.org/10.18280/ijht.350123	Huang J., Yuan J.T., Wang Z.H. (2017). Influence of thermal-mechanical coupling effect on vibration of double-drive feed system, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 177-182. https://doi.org/10.18280/ijht.350123
1314	Benhorma S., Aouissi M., Mansour C., Bounif A.	Contribution to study the effect of exhaust gas recirculation EGR on HCCI combustion mode	combustion, pollution, kinetics mechanism, EGR, HCCI, nitrogen oxides	35, 1, 183-190	https://doi.org/10.18280/ijht.350124	Benhorma S., Aouissi M., Mansour C., Bounif A. (2017). Contribution to study the effect of exhaust gas recirculation EGR on HCCI combustion mode, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 183-190. https://doi.org/10.18280/ijht.350124
1315	Li G.N., Sun S.K., Liu H.T., Zheng T.G., Zhang C.	Water profiles in vertical slot fishways without central baffle	water depth, vertical slot fishways, experimental models, central baffle	35, 1, 191-195	https://doi.org/10.18280/ijht.350125	Li G.N., Sun S.K., Liu H.T., Zheng T.G., Zhang C. (2017). Water profiles in vertical slot fishways without central baffle, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 191-195. https://doi.org/10.18280/ijht.350125
1316	Mabood F., Ibrahim S.M., Lorenzini G., Lorenzini E.	Radiation effects on Williamson nanofluid flow over a heated surface with magnetohydrodynamics	Nanofluid, MHD, Radiation, Heat Source, Non-linearly Moving Surface	35, 1, 196-204	https://doi.org/10.18280/ijht.350126	Mabood F., Ibrahim S.M., Lorenzini G., Lorenzini E. (2017). Radiation effects on Williamson nanofluid flow over a heated surface with magnetohydrodynamics, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 196-204. https://doi.org/10.18280/ijht.350126
1317	Asif M., Aftab H., Syed H.A., Ali M.A., Muizz P.M.	Simulation of corrugated plate heat exchanger for heat and flow analysis	corrugated plate heat exchanger, CFD analysis, heat and flow analysis, nusselt number correlation, modified wilson plot	35, 1, 205-210	https://doi.org/10.18280/ijht.350127	Asif M., Aftab H., Syed H.A., Ali M.A., Muizz P.M. (2017). Simulation of corrugated plate heat exchanger for heat and flow analysis, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 205-210. https://doi.org/10.18280/ijht.350127
1318	Caruso G., Nobili M.	Preliminary evaluation of the expansion system size for a pressurized gas loop: application to a fusion reactor based on a helium-cooled blanket	pressure suppression system, fusion reactor, helium, safety analysis, expansion volume	35, 1, 211-218	https://doi.org/10.18280/ijht.350128	Caruso G., Nobili M. (2017). Preliminary evaluation of the expansion system size for a pressurized gas loop: application to a fusion reactor based on a helium-cooled blanket, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 211-218. https://doi.org/10.18280/ijht.350128
1319	Sun C., Li Q.Y., Lu W., Liu X.T., Liu B., Pei X.X.	A general calculation model on the effect of main steam pressure variation on the coal consumption rate of steam turbines	main steam pressure, heat economy, coal consumption rate, heat coefficient	35, 1, 219-224	https://doi.org/10.18280/ijht.350129	Sun C., Li Q.Y., Lu W., Liu X.T., Liu B., Pei X.X. (2017). A general calculation model on the effect of main steam pressure variation on the coal consumption rate of steam turbines, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 219-224. https://doi.org/10.18280/ijht.350129
1320	Apra C., Greco A., Maiorino A., Masselli C.	A comparison between electrocaloric and magnetocaloric materials for solid state refrigeration	electrocaloric refrigeration, AER, magnetic refrigeration, AMR, FOT materials, SOT materials	35, 1, 225-234	https://doi.org/10.18280/ijht.350130	Apra C., Greco A., Maiorino A., Masselli C. (2017). A comparison between electrocaloric and magnetocaloric materials for solid state refrigeration, International Journal of Heat and Technology, Vol. 35, No. 1, pp. 225-234. https://doi.org/10.18280/ijht.350130