

Table of Contents

Volume 12 Number 2
February 2024
Parallel Image Processing: Taking Grayscale Conversion Using OpenMP as an Example

- B. AlHumaidan, S. Alghofaily, M. Al Qhahtani, S. Oudah, N. Nagy 1

The Deconvolution Method for Obtaining Correspondence in Data-Independent Acquisition Mass Spectrometry Data

- M. M. Lyu, X. Y. Bian, C. J. He 11

Security Implications of Edge Computing in Cloud Networks

- S. Ahmadi 26

A Visual Indoor Localization Method Based on Efficient Image Retrieval

- M. Y. Lyu, X. X. Guo, K. P. Zhang, L. Y. Zhang 47

Rapid Prototype Development Approach for Genetic Programming

- P. He, L. Zhang 67

Analysis of Public Sentiment regarding COVID-19 Vaccines on the Social Media Platform Reddit

- L. D. Ngueleo, J. P. Disso, A. A. Tekemetieu, J. M. Ngossaha, M. N. Kameni 80

Research on Smart Energy Monitoring and Management System Based on Digital Twin Technology

- X. H. Wang 109

Line Patterns Segmentation in Blurred Images Using Contrast Enhancement and Local Entropy Thresholding

- M. Vlachos, E. Dermatas 116

Transforming Digital Experiences: The Evolution of Digital Experience Platforms (DXPs) from Monoliths to Microservices: A Practical Guide

- S. Sethi, S. Panda 142

Evaluating Methods of Visual Assistance for Workers to Improve Quality and Usability in Individualized Kitchen Cabinet Assembly

- A. Eff, M. S. J. Walter 156

A Lightweight Convolutional Neural Network with Hierarchical Multi-Scale Feature Fusion for Image Classification

- A. Dembele, R. W. Mwangi, A. O. Kube 173

Nested Levels of Hybrid Cryptographical Technique for Secure Information Exchange

P. Kumar, V. Saxena 201

An Application of Machine Learning to Thalassemia Diagnosis

S. T. Liu 211

**Film and Television Website Scores Authenticity Verification Based on
the Emotional Analysis**

W. Y. Tong 231