

Table of Contents

Volume 4 Number 7

July 2016

Diffusion Analysis and Modeling of Potassium Sorbate in Gelatin Based Antimicrobial Film

- H. Wang, J. Y. He, H. Y. Sun.....1

Microstructure of Plasma Sprayed Al_2O_3 -3wt% TiO_2 Coating Using Freeze Granulated Powder

- Y. M. Yao, O. Lyckfeldt, A. Tricoire, D. Lundström, U. Klement.....8

Property and Oxidation Behaviours of $(\text{Mo,Cr})\text{Si}_2 + \text{ZrO}_2$ Composite Produced by Pressure-Less Sintering

- Y. M. Yao, E. Ström, X.-H. Li, Q. Lu.....15

Formulating for Innovative Self-Compacting Concrete with Low Energy Super-Sulfated Cement Used for Sustainability Development

- H.-A. Nguyen, T.-P. Chang, J.-Y. Shih, C.-T. Chen.....22

Packing Density Improvement through Addition of Limestone Fines, Superfine Cement and Condensed Silica Fume

- J. J. Chen, A. K. H. Kwan, P. L. Ng, L. G. Li.....29

Luminescence Properties of Phosphate Phosphor: Barium Tungstate Doped with Dy

- P. J. Hu, W. Zhang, Z. F. Hu, Z. Y. Feng, L. Ma, X. P. Zhang, X. Sheng, J. Luo.....37

Effect of Hot Environment on Strength and Heat Transfer Coefficient of Nano-Clay Concrete Paper Title

- W.-C. Wang, S.-Y. Wang, C.-H. Lin.....45

A Design Modification Approach to Utilize the Benefits of Metal Additive Manufacturing Adoption

- J. H. Tan, W. K. Woon, W. L. E. Wong.....53

Damping Factor Estimation of a Flexible-Matrix-Composite Body Pump

- N. P. Kumar, H. Ghoneim.....59

Comparative Studies on Synthesis and Characterization of Titania and Iron Oxide Doped Magnesia from Indian Salem Magnesite

- S. Manna, T. Chakrabarti.....67

Artificial Neural Network Model for Friction Factor Prediction

U. H. Offor, S. B. Alabi..... 77

Predictive Model for Cement Clinker Quality Parameters

N. E. Moses, S. B. Alabi..... 84

Effects of Wood Ash on Properties of Concrete and Flowable Fill

Z. F. Yang, J. Huddleston, H. Brown..... 101