

TABLE OF CONTENTS

Volume 3 Number 8

August 2012

Influence of Thermomechanical Treatments on the Properties of Al-5.8%Zn-2.7%Mg Alloy M. Hamoudi, B. Said, M. T. Bouziane.....	509
Effect of Soaking Time on the Mechanical Properties of Annealed Cold-Drawn Low Carbon Steel N. A. Raji, O. O. Oluwole.....	513
A Study on Wear Resistance, Hardness and Impact Behaviour of Carburized Fe-Based Powder Metallurgy Parts for Automotive Applications A. Emamian.....	519
Comparison of Silicon Nitride Nanofibers Synthesized Using Silica Nanopowders and Silica Gel S. Deshmukh, K.-P. Jen, S. Santhanam.....	523
Synthesis and Spectroscopic Characterization of Undoped Nanocrystalline ZnO Particles Prepared by Co-Precipitation S. P. Prakoso, R. Saleh.....	530
Structural and Optical Properties of $Zn_{x-1}Mg_xO$ Ceramic Composites Z. J. Othman, A. Matoussi.....	538
Co-Precipitation Synthesis and Characterization of Nanocrystalline Zinc Oxide Particles Doped with Cu^{2+} Ions M. Mukhtar, L. Munisa, R. Saleh.....	543
Roughness Control of Layer-by-Layer and Alternative Spray Films from Congo Red and Pah via Laser Light Irradiation G. Cardoso, R. J. da Silva, R. R. G. Maciel, N. C. de Souza, J. R. Silva.....	552
Microstructures and Photovoltaic Properties of Polysilane/C_{60}-Based Solar Cells A. Kawashima, T. Oku, A. Suzuki, K. Kikuchi, S. Kikuchi.....	557
The High Energy Region of the Absorption Edge of a-Si:H, a Theoretical Study—III S. K. J. Al-Ani, A. Ibrahim, S. S. Al-Rawi.....	562
Alginate Reinforced Chitosan and Starch Beads in Slow Release Formulation of Imazaquin Herbicide—Preparation and Characterization L. A. Nnamonu, R. Sha’Ato, I. Onyido.....	566
PET Oligomer Waste to Modify CAP Characteristics L. C. Mendes, M. L. Dias, P. S. C. Pereira, L. M. R. Albuquerque.....	575
In Situ Hydroxyapatite Synthesis: Influence of Collagen on Its Structural and Morphological Characteristic L. C. Mendes, G. L. Ribeiro, R. C. Marques.....	580

The figure on the front cover is from the article published in Materials Sciences and Applications, 2012, Vol. 3, No. 8, pp. 557-561 by Atushi Kawashima, *et al.*