

Table of Contents

Investigation the Phase Separation in Metallocene Linear Low Density Polyethylene/Polypropylene Blends H. Aldosari	1
Tungsten Inert Gas (TIG) Cladding of TiC-Fe Metal Matrix Composite Coating on AISI 1020 Steel Substrate A.K. Das, S. Kumar, M.K. Chaubey and W. Alam	19
Temperature Effect on the Modal Frequencies of Aluminum Honeycomb Plate R. Amri	27
Experimental Investigation on Microstructural and Wear Behaviour of Dual Reinforced Particles (DRP) Aluminium Alloy Composites N. Nanda Kumar and N. Muthukumaran	42
Effect on Shear Strength and Hardness Properties of Tin Based Solder Alloy, Sn-50Bi, Sn-50Bi+2%TiO₂ Nanoparticles S. Amares and B. Tchari	54
Structure and Optical Properties of Quantum Confined Pure and Cu Doped SnO₂ J.R. Sheeba, S. Radhika and C.M. Padma	60
Synthesis of SnO₂ Nanoparticles Using <i>Ficus religiosa</i> Leaf Extract and their Application in Fabrication of OFETs for Glucose Monitoring A. Narayana, N. Tarannum, M.S. Shaik, B.N. Shobha, R.M. Sundar and S.V. Lokesh	67
Effect of Surface Modification and Fibre Content on the Mechanical Properties of Coconut Fibre Reinforced Concrete C. Hettiarachchi and G. Thamarajah	78
A Study on Particle Weight Fraction and Extrusion on the Mechanical Properties and Microstructural Evaluation of Al-Cu/Fly Ash Composite G.N. Lokesh, G.P. Prasad, S. Raghavendra and K.P. Prashanth	100
Effect of Trap Energy on Series Resistance of Phenosafranine Dye Based Organic Diode in Presence of TiO₂ and ZnO Nanoparticles P.K. Das, S. Bhunia and N.B. Manik	112