

Table of Contents

Effect of Varying Doping Level on Structural, Electrical and Optical Properties of Al Doped ZnO Spin Coated Films S.R. Basu and S.S. Mou	1
Electrochemical Properties of Layered LiMoO₂ as Cathode for Li-Ion Batteries A.F. Liu, X.D. Wu and Y.L. Niu	11
The Highly Efficient Inorganic SrF₂:Gd³⁺, Eu³⁺ Phosphor for Mercury Free Fluorescence Lamps S.R. Jaiswal, N.S. Sawala, P.A. Nagpure, W.S. Barde and S.K. Omanwar	17
The Development Study of a Prototype of Sodium Carboxymethylcellulose and Poly(Vinyl Alcohol) Wound Dressings Using a Mixer Torque Rheometer A.M. de Oliveira, R.d.S. Souza, D.O. Futuro and V.G. Costa	25
<i>Cocculus hirsutus</i> Leaf Assisted Green Synthesis of Ag-Au Bimetallic Nanoparticles and their Antioxidant Properties H. Bar	49
The Effect of Temperature, Cooling Rate and Casting Speed on Quality of Continuous Cast Steel Billets M. Khurram, S. Iqbal, S.M. Fahad and A. Quddoos	61
Modeling of the Pore Shape Effect on the Effective Young's Modulus of Lotus-Type Porous Materials by a Numerical Homogenization Technique A. Bourih, K. Bourih, W. Kaddouri, M. Masmoudi and S. Madani	73
New Equations to Calculate Failure Stress and Strain of Concrete H.R. Darvishvand, S.A.H.S. Taghia and M. Ebrahimi	87
Effect of Different Chemical Admixtures on Fresh and Hardened Properties of M30 and M40 Grade Concrete G. Awchat, L. Patil and A. More	105
The Effect of the Calcined Dam's Mud as Supplementary Cementitious Materials on Thermal Insulation A. Belghit, N.E. Bouhamou, M. Hamadache, H.H. Sallai and B. Ziregue	121