

Table of Contents

About the Editor, Contributors, Note from the Editor

Thermoelectric Energy Conversion and Ceramic Thermoelectrics T. Kajitani, Y. Miyazaki, K. Hayashi, K. Yubuta, X.Y. Huang and W. Koshibae	1
Review on Indium Zinc Oxide Films: Material Properties and Preparation Techniques G.J. Shyju, S. Dawn Dharma Roy and C. Sanjeeviraja	21
Review on Gallium Zinc Oxide Films: Material Properties and Preparation Techniques S. Nagarani, M. Jayachandran and C. Sanjeeviraja	47
Nanomaterial Preparations by Microwave-Assisted Solution Combustion Method and Material Properties of SnO₂ Powder - A Status Review L.C. Nehru, V. Swaminathan, M. Jayachandran and C. Sanjeeviraja	69
Synthesis and Electron Density Analysis of SnO₂ Nano Particles S. Saravanakumar, M. Jeya Priya and R. Saravanan	121
Local Structural Analysis of Al₂O₃, Cr:Al₂O₃ and V:Al₂O₃ Using Powder XRD T.K. Thirumalaisamy, K.J. Lakshmi Sri and R. Saravanan	131
Influence of Silicon and Boron Doping on the Thermal Conductivity of N-GaAs Single Crystals M. Prema Rani and R. Saravanan	153
Studies on the Removal of Malachite Green Dyes by Adsorption onto Activated Carbons – A Comparative Study A. Xavier, D. Usha, J. Gandhi Rajan and M. Malarvizhi	165
Dynamic Study of Adsorption for the Removal of Bismark Brown – Using Activated Carbons A. Xavier, R. Sathya, J. Gandhi Rajan and R. Nagarathnam	187