

## Table of Contents

<b>Comparative Performance Analysis of Multi Gate Tunnel Field Effect Transistors</b> T.S.A. Samuel and K.P. M	1
<b>Oxidation Reduction in Nanocrystalline Silicon Grown by Hydrogen-Profilng Technique</b> C.J. Arendse, T.F.G. Muller, F.R. Cummings and C.J. Oliphant	9
<b>Artificial Neural Networks Modeling of Electrospun Polyurethane Nanofibers from Chloroform/Methanol Solution</b> S. Firoozi, A. Amani, M.A. Derakhshan and H. Ghanbari	18
<b>Assessment on the Release of Magnetite Nanoparticles Embedded with PVA Nanofiber in Hydrodynamics</b> V. Srinivas and V. Raju	31
<b>Covalent Binding of CdSe@PMMA Nanocomposite Films with both Good Transparency and UV-Shielding</b> X.L. Guan, H.T. Fan, D.H. Zhang, Y. Zhang, T.M. Jia and S.J. Lai	42
<b>Electrostatic Aerosol Deposition Method for the Formation of an Ensemble of Monodisperse Particles on a Substrate</b> A.A. Efimov, A.A. Lizunova, E.G. Kalinina, V.S. Sukharev and V.V. Ivanov	53
<b>Synthesis of PBMA-<i>b</i>-PGMA Block Copolymers via ICAR ATRP and their Application in Polymer/Titanium Dioxide Hybrid Materials</b> J.P. Sun, Y. Zhang, J. Li, C.Y. Wang and Q. Ren	63
<b>Effect of Annealing Temperature on Phase Transition of Nanoalumina Synthesized by Auto-Combustion Route</b> M. Adil, H.M. Zaid, K.C. Lee and N.R.A. Latiff	74
<b>Microstructural Modification of Brush-Plated Nanocrystalline Cr by High Current Pulsed Electron Beam Irradiation</b> J.J. Hu, L.J. Chai, H.B. Xu, C.P. Ma and S.B. Deng	87
<b>Preparation and Characterization of Cellulose Crystallites via Fe(III)-, Co(II)- and Ni(II)-Assisted Dilute Sulfuric Acid Catalyzed Hydrolysis Process</b> Y.W. Chen, H.V. Lee and S.B. Abd Hamid	96