Table of Contents

-		c		
μ	re	tя	r	ρ
		а	•	L

R. Rajeswari and R. Jothilakshmi	1
Carbon-Based Nanomaterials for Drugs Sensing: A Review B. Kasinathan and R.M. Zawawi	13
A Review on PEO Based Solid Polymer Electrolytes (SPEs) Complexed with LiX (X=Tf, BOB) for Rechargeable Lithium Ion Batteries K. Karuppasamy, R. Antony, S. Alwin, S. Balakumar and X. Sahaya Shajan	41
Photodegradation of Reactive Red 141 and Reactive Yellow 105 Dyes Using Prepared TiO ₂ Nanoparticles	
A. Amalraj and P. Anitha Pius	65
V ₂ O ₅ -Photocatalyzed Oxidation of Diphenylamine C. Karunakaran and S. Karuthapandian	81
Enhancement of CdO/ZnO/PVC Nanocomposites Behavior on Photo-Catalytic Degradation of Congo-Red Dye under UV Light Irradiation	01
T. Linda, S. Muthupoongodi, X. Sahaya Shajan and S. Balakumar	91
A Comparative Study on the Role of Precursors of Graphitic Carbon Nitrides for the Photocatalytic Degradation of Direct Red 81	
J. Theerthagiri, R.A. Senthil, J. Madhavan and B. Neppolian	101
Synthesis of Zn Doped CdSe Quantum Dots via Inverse Micelle Technique F. Aplop and M.R. bin Johan	115
Preparation and Characterization of Pure and Lanthanum Doped ZnO Nanoparticles by	
Solution Route S. Prabhavathy and R. Jothilakshmi	123
Dielectric Relaxation Study on TiO₂ Based Nanocomposite Blend Polymer Electrolytes C. Ambika and G. Hirankumar	135
Optical Sensing of TiO ₂ Nanofluid for Self Stability A.L. Subramaniyan, M. Kotaisamy and R. Ilangovan	143
Facile Preparation of Nanocrystalline ZnO Powder for Non-Volatile Memory Application A. Kathalingam, H.C. Park, S.D. Kim, H.S. Kim and T. Mahalingam	151
Clay Intercalated PVA-Nafion Bipolymer Matrix as Proton Conducting Nanocomposite Membrane for PEM Fuel Cells	
B. Narayanamoorthy, B. Dineshkumar and S. Balaji	161
Solvatochromism and Electroabsorption Studies of Drug Carriers R. Jothilakshmi, R. Rajeswari and E. Thanikaivelan	169