

[Multi-Functional Nanoscale Materials and their Potential Applications](#)

Special topic volume with invited peer reviewed papers only.

1. Auflage 2015. Taschenbuch. 212 S. Paperback
ISBN 978 3 03835 338 6

[Weitere Fachgebiete > Technik > Werkstoffkunde, Mechanische Technologie > Materialwissenschaft: Keramische Werkstoffe, Glas, Sonstige Werkstoffe](#)

schnell und portofrei erhältlich bei


DIE FACHBUCHHANDLUNG

Die Online-Fachbuchhandlung beck-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.

Table of Contents

Preface

Magnetic Nanoparticles as Drug Carriers: Review 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 TiO₂ Nanoparticles A. Amalraj and P. Anitha Pius	65
V₂O₅-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 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. 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 TiO₂ 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