1. Record Nr. UNINA9910826082003321

Titolo	Advance in ecological environment functional materials and ion industry III : selected, peer reviewed papers from the 2011 Annual Advance in Ecological Environment Functional Materials and Ion Industry, October 31, 2011, Tianjin, China / / edited by Jinsheng Liang and Lijuan Wang
Pubbl/distr/stampa	Zurich, Switzerland : , : Trans Tech Publications, , 2012 ©2012
ISBN	3-03813-785-5
Descrizione fisica	1 online resource (276 p.)
Collana	Advanced Materials Research, , 1022-6680 ; ; Volume 427
Altri autori (Persone)	LiangJinsheng WangLijuan
Disciplina	628
Soggetti	Environmental engineering Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Advance in Ecological Environment Functional Materials and Ion Industry III; Preface and Organizers; Table of Contents; Chapter 1: Academic Frontiers; A Study of Corrosion Inhibition of Carbon Steel in Hydrochloric Acid Using BIMGCS12-3; Analysis of Influencing Factors on Performance of Cis-1,4poly-Butadiene Rubber Containing Modified Attapulgite; Application of Anion Multifunctional Additive in Polymer; Applications of Tourmaline in Catalysis; Diopside-Based Glass-Ceramics from Chrysotile Asbestos Tailing; Effect of Chitosan as Antimicrobial Agent on Flame Retardant Protein Viscose Fiber Enhanced Electrochemical Performance of Li4Ti5O12/C Composite Prepared by Solid-State Method Fabrication and Properties of Microencapsulated-Paraffin/Gypsum-Matrix Building Materials for Thermal Energy Storage; Factors Analysis of Mechanical Properties on AT/EPDM Rubber Composite; Influence of Water Activated by Ceramic on Growth of Epidermal Cells of Newborn Mice; Interfacial Morphologies of Methanol-Melamine-Formaldehyde (MMF) Shell MicroPCMs/Epoxy Composites; Kinetic Study of PVC Pyrolysis in Air by

Thermogravimetric Analysis Using the Friedman Method
Preparation and Characterization of Activated Sericite Modified by Fluorosilicate Preparation and Characterization of Perovskite-Type Oxide Catalysts for Combustion of Methane; Preparation and Characterization of Sepiolite Nanofibers by Microwave Chemical Methods; Preparation and Characterization of Silica-Alumina-Pillared Rectorites; Preparation and Magnetic Property Study of Ni-P/Palygorskite Core-Shell Linear Powder; Preparation and Properties of Castor Oil-Based Waterborne Polyurethane Terminated
Preparation of Sericite-TiO2 Composite Particle Material by Mechano-Chemical Method and its Application Preparation of Tourmaline and Carbon Nanotubes Based Composite Materials and its Heat Emission Performance; Progress in Study of Oxygen-Related Defects in Electron Irradiated CZ-Si; Property and Research Process of Metal-Organic Frameworks; Property of Nanoporous Metal-Organic Frameworks at Different Synthesis Temperature; Research of Electric Properties of Monocrystalline Silicon Solar Battery
Research on Flame Retarded of Polyurethane Rigid Foam/Expanded Perlite Thermal Insulation Composites Research on the Preparation of Food-Grade Sea Cucumber/Gelatin Nanofiber Membrane with Electrospinning Method; Research on the Removal of Organic Contaminants of Photoinitiator Wastewater under Fenton Condition; Research Progress and Prospect of Inorganic Filler for Urea-Formaldehyde Resin Adhesive; Research Progress of Co-Pyrolysis of Waste Plastics Contained Chlorine with Biomass; Research Progress on Thermal Insulation Materials
Researches and Development of Activated Water and its Effects on Biological Growth

Sommario/riassunto

The 48 peer-reviewed papers of this special collection concentrate on the topics of: Academic Frontiers of Ecological Environment Functional Materials and Ion Technology, Testing Technology and Evaluation Method of Ecological Environment Functional Materials and University Education of Ecological Environment Functional Materials. Review from Book News Inc.: The 48 papers explore academic research into the materials, testing technologies and evaluation methods, and teaching about the materials and techniques at the university level. Among the topics are the effect of chitosan as an antimicrobial