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Collana	Advanced materials research, , 1022-6680 ; ; volume 96
Altri autori (Persone)	LiangJinsheng WangLijuan
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Advance in Ecological Environment Functional Materials and Ion Industry; Sponsors and Committees; Preface; Table of Contents; I. Academic Frontiers; Adsorption Properties of Vermiculite for Simulative Radionuclide Sr; Adsorption Thermodynamics and Kinetics of Lipoic Acid on Three Types of Resin; Chemical Reaction Characteristics of HDTMA <sup>+</sup> Cations in Interlayer Space of Vermiculite Crystal Layers; Complete Benzene Oxidation over Colloidal Gold Catalysts Supported on Nanostructure Zinc Oxide; Composite Lithium Ionization for Natural MnO <sub>2</sub> Effect of Ion Migration of Multiple Copper-Zinc Alloy on the Crystal Structure of Calcium Carbonate ScaleEffect of Large Dose of Attapulgite on Animal Growth and Blood Microenvironment; Effect of Surface Active Agent on Defibering for Sepiolite Fiber Bundles ; Effect of Water Volume on the Growth of Silver Nanoparticles Promoted by Ultraviolet; Effects of Wastewater of Dyeing-Printing on the Combustion of Coal Powder; Electrodialytic Production of Hypophosphorous Acid with Six-Compartment Electrolytic Cell and Ti-PbO <sub>2</sub> Anode

Electronic Structures and Density of States of Borides AB(A=Zr,Hf,Nb and Ta) Environmental-Friendly Soy Protein Isolate/Poly (Vinyl Alcohol) Blend Packaging Films: Water Vapor Permeability; Fabrication and Mechanical Properties of Double-Shell Thermal Energy Storage Microcapsules Applied as Environmental Temperature-Controlling Materials in Building; Facile Fabrication of Taper-Like BiVO<sub>4</sub> Nanorods with High Photocatalytic Property under Sunlight Irradiation; Immobilized Bio-Beads with Activated Carbon Fiber for Removal of Benzene

Inactivation of Escherichia Coli on Titanium Dioxide Photocatalysis Nanoparticles Influence of Doping on Structure and H<sub>2</sub> Sensitivity of Nano-SnO<sub>2</sub>; Modification of Activated Carbon From Sewage Sludge to Improve Desulfurization With -Al<sub>2</sub>O<sub>3</sub>; Nitrification in Vertical Flow Constructed Wetlands with Different Substrate and COD: N Ratio ; Polyurethane MicroPCMs Containing N-Octadecane Applied in Building Materials Synthesized by Interfacial Polycondensation: Thermal Stability and Heat Absorption Simulation; Preparation and Characterization of Al-Pillared Rectorite

Preparation and Characterization of Cu<sub>1-x</sub>K<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> Fibers and the Catalytic Activity for Diesel Engine Exhaust Removal Preparation and Characterization of Polyurethane Rigid Foam/Expanded Perlite Thermal Insulation Composites ; Preparation and Characterization of Tourmaline/TiO<sub>2</sub> Composite Particles Material; Preparation and Performance of Ag<sup>+</sup>-Zn<sup>2+</sup>-Zeolite Antimicrobial and Antibacterial Plastic; Preparation of Expanding Vermiculite by Chemical and Microwave Methods; Preparation of Phase Change Building Materials Preparation of Tourmaline Composite Materials and its Property of Far Infrared Radiance

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#### Sommario/riassunto

This collection aims to promote increased international research and academic communication in the field of ecological environment-functional materials and ion technology. It focuses on the theory of ion-technology industries, industrialization of ion processing and the development of ecological environment-functional materials. Most of the papers concentrate on the topics of: (1) Academic Frontier of Ecological Environment Functional Materials and Ion Technology; (2) Testing Technology and Evaluation Method of Ecological Environment Functional Materials; (3) University Education in Ecologica

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