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Collana	Materials science forum, , 1662-9760 ; ; volume 724
Altri autori (Persone)	SunJing
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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 and indexes.
Nota di contenuto	Eco-Materials Processing and Design XIII; Preface and Organizing Committee; Table of Contents; A. Environment Related Materials and Photocatalysts; Effect of Solution Treatment on Microstructure and Properties of the SAF2507 Super Duplex Stainless Steel; Materials Life Cycle Assessment of Chemical Strengthening Glass Used for Touch Screen Panel; MLCA (Material Life Cycle Assessment) for ITO Recycling; Study of Resistance Characteristics of Silicon Carbide Resistor Materials; Synthesis of Sn <sup>4+</sup> Doped TiO <sub>2</sub> Nanotube and its Photocatalytic Activity Removal of Isopropyl Alcohol (IPA) Using Anodized Photocatalytic Metal Membrane Reactor Treatment Performance of Low Strength Electric Wastewater Using Solid-Advanced Oxidation Processes; Photocatalytic Degradation of Humic Acid Using Ti/Anodized TiO <sub>2</sub> Metal Plate with Fe-Doping; Fabrication of Nanosheet-Assembled Hierarchical AlOOH and -Al <sub>2</sub> O <sub>3</sub> Microspheres and its Application in Water Purification; Low Temperature Molten-Salt Synthesis and Characterization of Nanocrystalline Mullite Whiskers from Coal Gangue

Effect of Temperature and Carbon Contents on the Synthesis of -SiC from Silicon Sludge by Direct Carbonization Method A Study on the Synthesis of SiC Powder from the Silicon Sludge of the Photovoltaic Industry; A Study on the Improvement of Nitrogen Removal Efficiency in Small Size Sewage Treatment Facility Utilizing Zeolite Carrier; The Rheological Properties of Konjac Glucomannan (KGM) Solution; Preparation and Application of Electrospinning Membranes of Thermoplastic Carboxymethyl Cellulose/PLA for Removal of Cu<sup>2+</sup> from Aqueous Solutions  
Extraction of Polyethylene Residue Components in Soil Research of Low Cost Fracturing Proppant; Studies on Adsorption of Strontium (II) by Expanded Rice Husk; Preparation of Porous Poly(butylene succinate) (PBS)/Starch Blends for Absorption of Copper (II) Ions; The Study of Environmental Degradation Characteristics of Photodegradable Polyethylene Film; Effect of PE Film Degradation Products on the Carbon Dioxide Content of Soil: A Mathematical Study; Effect of Gelatinization on Morphology and Thermal Properties of Polyvinyl Alcohol-Corn Starch Blend Films  
Factors Affecting Coagulation of Phosphorus from Municipal Sewage Adsorption of Bromic Acid Ion in Water by the Reduced Titanium Oxide; B. Eco-Materials Processing and Design, Multi-functional Materials; Properties of Artificial Lightweight Aggregate by Using Magnetic Separated Bottom Ash from Coal Power Plant; Bio-Inspired Synthesis of Al<sub>2</sub>O<sub>3</sub>/Polymer Composite; Thermoelectric Properties of Manganese Monosilicide Synthesized by Mechanical Alloying Process; First-Principles Investigation on Ag, N Codoped in p-Type ZnO  
Characteristics of Artificial Lightweight Aggregate by Using Magnetic Separated Desulfurized Fly Ash and Dredged Soil

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### Sommario/riassunto

This work brings together 465 peer-reviewed papers on Advanced Materials and Engineering Technology. It will certainly promote the development of these fields, strengthen international academic cooperation and communication and engender the exchange of research ideas. It provides the reader with a broad overview of the latest advances in the field of advanced materials and engineering technology. Review from Book News Inc.: The current status and trends in creating, processes sing, and using environmentally friendly material are examined in 112 selected and peer-reviewed papers.

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