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Titolo	Materials science and advanced technologies in manufacturing II : selected, peer reviewed papers from the 4th International Conference on Materials Science and Engineering (ICMSE 2014), December 27-28, 2014, Jiujiang, China // edited by X. Q. Liu, Ali I. Al-Mosawi and B. Li
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Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 1081
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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	Materials Science and Advanced Technologies in Manufacturing II; Preface, Organizing Committees and Sponsors; Table of Contents; Chapter 1: Materials Science and Technologies; Effect of Sulfuric Acid Diammonium on Cure Characteristics of NR; Effect of Hydrazine Dihydrochloride on Cure Characteristics of NR; Synthesis of the Porous Mn <sub>2</sub> O <sub>3</sub> Microsphere and Mn <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> Core-Shell Nanostructure by a Facile Method; Rapid Synthesis of 4-oxo-4H-chromene-3-carboxylic Acid; The Preparation and Phosphate Adsorption Experiments of New Modified Bamboo Powder Study on Preparation of Glucose by Poplar Cellulose Enzymatic Hydrolysis A Comparative Study between p-Aminobenzensulfonate-Phenol-Formaldehyde Condensate and Sulfomethylated Phenolic Resin as Drilling Mud Fluid Loss Reducer; Synthesis of Lanthanum Oxide Using Hydrogen Peroxide as Auxiliary Reagent by Spray Pyrolysis Method; Fabrication Microstructure and Microwave Absorption of Fe <sub>3</sub> O <sub>4</sub> Decorated with Hyperbranched Copper Phthalocyanines; A Survey of Hydrogen Peroxide Bleaching and FAS Bleaching of Liquid Package Recycled Pulp

Influence of Surfactant on Electrochemical Process for Zn-Electrodeposition  
Boric Acid Corrosion in the Primary System of PWRs;  
Mo Behavior in Mn-Zn Ferrites at High Temperatures Part 1: Exploration of Chemical States of Mo in Mn-Zn Ferrites; Synthesis of 5-(4-nitrophenyl)-2-aminopyrazine; Mo Behavior in Mn-Zn Ferrite at High Temperatures Part 2: Sinter Mechanism of Mo in Fe-Rich Mn-Zn Ferrites; Determination of o-Chlorobenzamalonitrile Nonivamide, and Dihydrocapsaicin in Aerosol Defense Sprays Using UPLC; Study on the Properties of Wheat Resistant Starch  
Structure and Stability of Os<sub>n</sub> (n=2-10) Clusters  
The Effect of Organic Matter and Organic Acid on the Chromium Release in Sediment;  
Investigation of Water Separation from Water-in-Oil Emulsion Using Centrifugal Field and Gravity with CFD Method; Data Collecting and Identifying Based on Metalloporphyrin and Zinc Phthalocyanine Sensor Array; Feed-Water Treatment Technology of Supercritical Unit; Antioxidant Activity of Silk Fibroin Peptide Hydrolyzed by Pancreatin; Theoretical Study of Iron Heterogeneous Growth on the Surface of C60 Molecule  
Effect of Two Kinds of Osmotic Media on Quality of Tilapia Fillets  
Chapter 2: Nanomaterials and Technologies; Far-Field Near-Infrared Plasmonic Nanofocusing Effects Based on Nano Metal Structure; A Model for Predicting the Failure Behavior of Bimodal Nanocrystalline Materials; Synthesis and Characterization of Polymer-Laced Cu-ZnO Nanoparticles; The Effect of Surfactants on the Dispersion of Carbon Nanotubes in Water; Microwave Synthesis and Photocatalytic Activity of CeVO<sub>4</sub> Nanocrystalline  
Using Supercritical CO<sub>2</sub> as an Assistant Method to Optimize the Permeability and Fixation of Nano-TiO<sub>2</sub> in PP Non-Woven

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Sommario/riassunto

Collection of selected, peer reviewed papers from the 4th International Conference on Materials Science and Engineering (ICMSE2014), December 27-28, 2014, Jiujiang, China. The 71 papers are grouped as follows: Chapter 1: Materials Science and Technologies; Chapter 2: Nanomaterials and Technologies; Chapter 3: Metal Materials and Alloys; Chapter 4: Polymer Materials; Chapter 5: Composites and Construction Materials; Chapter 6: Physical Properties of Materials

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