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Collana	Advanced Materials Research, , 1662-8985 ; ; Volumes 960-961
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Soggetti	Electric power systems Electric power systems - Environmental aspects Power (Mechanics)
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	Thermal, Power and Electrical Engineering III; Preface and Conference Organization; Table of Contents; Chapter 1: Materials and Processing Technology; Fluoroimmunoassay Based on FITC-Labeled Antibody for the Determination of Estradiol; Study and Analysis on the High Temperature Performance of Calcined Bauxite; Study on Parrifine Removal Additive of High Wax Crude Oil; Study on the Produce Process and Electrical Resistivity of Carbon Fiber Conductive Concrete; Chemical Composition Characteristics of Calcite in Gold and Silver Deposits in Jiaodong Peninsula, China Crack Growth Features in Hydrogenating High-Strength Steel AISI 4340 under Cycling Extrusion Process and Mould Design for Contact Finger; Fast Detection of Illegal Sweeteners in Liquor and Wine by Laser Raman Spectroscopy; Optimum Design of Flexible Microwave Absorption Fabrics; Research New Waterproof Agent of the Particleboard; The Comparison of Albumin Dialysis between Open- and Closed-Loop Dialysis Modes; The Research of High Internal Pressure Forming Process of Variable Cross-Section Elliptical Tube; The Research Progress of Boron Nitride Nano-Tubes in Hydrogen Storage

Wetting Property of Cu-Doped ZnO with Micro-/Nano-Structures; Development of SO₂ Absorption Materials Having Low Temperature Activity by Base Adducted Complex Method; Electron Beam Irradiation on Substrate for Precise Dielectrophoretic Assembly of Carbon Nanotubes - A Simulation; Preparation of Novel Membrane Material 4',4''(5'')-di-tert-butylidicyclohexyl-18-crown-6; Study on Influence of Snowmelt Agent to Performances of Asphalt; CT Analysis of Meso-Structure Changes in Rock Salt with Brine Corrosion; Effect of Rare Earth Elements on Microstructure and Mechanical Properties of AZ91D Alloy; Study on Preparation and Properties of In Situ Composite of Nano-SiO₂ and Vinyl Acetate-Acrylate Emulsion; Techniques of Preventing Subgrade from Salinization for Qarham to Golmud Expressway; The Current Situation and Development Trend of Electroforming; Influence of Si Content on Microstructure and Erosion Properties of Al-Based Alloy; Preparation and Properties of CF/CNTs/NanoG Filled Polyacrylate Electrically Conductive Pressure-Sensitive Adhesives; Study of Garlic Extract as a Green Corrosion Inhibitor for Mild Steel in Acidic Media; Ceramic Nano Composites for Thermal Insulators; Inhibition of Corrosion by Dithiocarbamate in Oilfield Water Injection; Monomethyl -Methylglutarate of New Synthetic Methods; Preparation and Properties of Thiol-Ene UV-Curable Fluorinated Emulsion; The Effects of Magnetic Field on Micro-Arc Oxidation Ceramic Coating on Magnesium Alloys; Preparation and Properties of Organosilicon-Modified Epoxy Esters Resin; Corrosion Resistance of CrSiN Coatings by Cathodic Arc Deposition with Different Arc Currents; Synthesis of Mesoporous ZnO Thin Films and Gas Sensing Property; Glass Forming Ability and Crystallization Kinetics of Al-Mg-Ni-La Metallic Glasses

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 International Conference on Energy and Environmental Protection (ICEEP 2014), April 26-28, 2014, Xi'an, China. The 312 papers are grouped as follows: Chapter 1: Materials and Processing Technology, Chapter 2: Engineering Thermophysics, Chapter 3: Thermal Engineering, Chapter 4: Fluid and Air Engineering and Machinery, Chapter 5: HVAC, Air Conditioning and Refrigeration, Chapter 6: Electrical Theory and New Technology, Chapter 7: Smart Grid Technology, Chapter 8: High Voltage and Insulation Technology, Chapter 9: Power System, Control a