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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 CyclingExtrusion 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-StructuresDevelopment 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-butyldicyclohexyl-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 EmulsionTechniques 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 InjectionMonomethyl -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; Synthesize 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