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Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 1089
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Nota di contenuto	Advanced Manufacturing Technology and Materials; Preface and Conference Organization; Table of Contents; Chapter 1: Composite Materials, Polymer Materials and Fabric Materials; Comparison of Dyeing Properties between PPT and PET Fiber; Effect of 3D Stereoscopic Embossed Polyolefin Nonwovens on Permeability of Diapers; Effect of Different Binder on the TiC Reinforced Steel Matrix Surface Composites; Microstructure and Mechanical Properties of Tough Phase Layers of a NiCoCrAl/YSZ Multiscalar Microlaminate; Photoproperties of Novel Polystyrene Derivatives with Oligofluorene Pendants Preparation and Photoelectronic Properties of Zinc Oxide/Perovskite Nanocomposites/PolypyrroleStudy on the Performance of Wollastonite Modified PTFE Composite Material; The Influence on the Absorption Properties of Paper Diapers by the SAP Mass Ratio and Fluff Pulp; The Constitutive Model for High Temperature Flow Behavior of SiC/6168Al Composite; The Research on the Dielectric Constant of Polyester Knitted Fabrics; Wearing Comfort and Electromagnetic Shielding Effectiveness for Shielding Fabrics Based on Grey Cluster Analysis; Chapter 2: Metals, Alloys and Metallurgical Technology A New Processing Technology of Comprehensive Utilization on the Gold

Copper Ore Contrast Testing Study on Different Flotation Processes for a Medium-and-Low Grade Collophanite; Effect of Annealing Time on Properties of Cr/NbCr₂ Alloy; Experimental Research on Oolitic Hematite Utilizing Metallic Roasting-Magnetic Separation Processing; Studies on Microstructure of Cu-SiC Compounds by Mechanical Alloying; Study on Potential-Controlled Flotation Test of a Copper-Lead-Zinc Polymetallic Sulphide Ore; Study on the Corrosion Electrochemical Behaviors of Carbon Steel in Eutrophic Fresh Water Using the Vacuum Ion Nitriding Process to Improve the Quality of 38CrMoAlA Cylinder Stress Dependence of Magnetostriction and Magnetic Properties in Electrical Steel; Crystal Structure of the New Compound TbCo_{0.67}Ga_{1.33}; Chapter 3: Chemical Materials and Technologies; Molecular Dynamics Study on the Generation of Single-Walled Carbon Nanotubes Junction by Direct C₆₀ Bombardment; Molecular Geometries and Theoretical Vibrational Absorption Spectra of meso-Phenyl and 3,5-Diaryl Substituted BODIPY Dyes Preparation and Characterization of Inclusion Complexes between Cyclodextrin and Block Polyether Polysiloxanes Synthesis, Spectroscopic Properties of Bis-Boc-L-Alanine Modified 1,8-Naphthyridine Ligand Induced by Hg²⁺; The Experimental Study of the Adsorption Behavior of Cd on Manganese Dioxides; Facile Synthesis and Photocatalytic Properties of PbS Quantum Dots/Boron and Nitrogen Co-Doped TiO₂ Transparent Photocatalyst Emulsion; Catalytic Oxidation of CO over Ag-Doped Manganese Oxide Catalysts: Preparation and Catalytic Activity Preparation and Characterization of Tetradecanol Microcapsule Phase Change Materials by Emulsion Polymerization

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 International Conference on Advanced Manufacturing Technology and Materials (ICAMTM 2014), November 25-26, 2014, Zhuhai, China. The 75 papers are grouped as follows: Chapter 1: Composite Materials, Polymer Materials and Fabric Materials; Chapter 2: Metals, Alloys and Metallurgical Technology; Chapter 3: Chemical Materials and Technologies; Chapter 4: Biomaterials and Biotechnologies; Chapter 5: Films and Surface Engineering; Chapter 6: Building Materials and Construction Techniques; Chapter 7: Materials Processing Technology.
