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Altri autori (Persone)	XuB LiH. Y
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Nota di contenuto	Advanced Materials Researches and Application; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Applied Materials Science, Chemical Engineering and Technologies of Material Processing; Researches of Fabrication of Globular ZnO and the Super-Hydrophobicity; Formation of Metastable Phases Observed in the Zr-Co-Nb Multilayers upon Ion Beam Irradiation; Microwave Assisted Reflux Synthesis and Characterization of Magnetic Fe ₃ O ₄ Micro Bubbles Embed in Nano Particles; First-Principles Study of Thin-Film Properties of Transition-Metal Oxide SrTiO ₃ Electrochemical Investigation of Cyproconazole as Corrosion Inhibitor for Copper in Synthetic Seawater The Etching Reaction and Surface Reconstruction of Bismuth Zinc Niobate Thin Film in SF ₆ /Ar Plasma; Enhancement of Chloramphenicol Sonochemical Degradation by Sodium Peroxydisulfate; Chiral Liquid-Crystalline Elastomers Bearing Side-Chain Fluorinated Groups and Chiral Crosslinking Units; Investigation of Bio-Mimetic Synthesis SH/KGM/HAP Scaffold; Processing and Mechanical Properties of Plasticized Starch by Different Plasticization Methods

Effects of Acid Concentration on the Superhydrophobic Surface on Aluminum Alloy by Etching and PP-Coating Properties Study of a New Perfluorocyclopentenes Bearing Fluorene; Synthesis New Photochromic Diarylethenes 1-(2,5-dimethyl thiazole)-2-[4-(2-cyanophenyl)-3-thienyl]} Perfluorocyclopentene; Study on Photochromic Materials with a Novel Photochromic Diarylethene use for Polarization Holographic Recording; A Novel Unsymmetrical Diarylethene Material Bearing Double Thiophene Ring; Synthesis and Properties of a New Diarylethene Bearing Isoxazole Moieties
 Photochemistry Properties of a Novel Photochromic Diarylethene Derivative Photochromism and Optical Recording of a Novel Diarylethene Bearing Phenanthrene Unit; Study on Photochromic Compounds with Synthesis Photochromic Diarylethenes Based on Five-Membered Heterocycle and Benzenze Ring; Synthesis and Application of Photochromic Materials in Holographic Recording of a Asymmetrical Diarylethene; Synthesis and Photochromism of a Novel Diarylethene Bearing Xylosyltriazolyl Groups; Effects of Impulse Current on Mechanical Behavior of Ti and Ta
 Ferromagnetism in N-Doped In₂O₃ Films Prepared by Thermal Oxidation Study on the Microstructure and Properties of Three Kinds of Modal Siro-Spun Yarns; Preparation and Sustained-Release Testing of Chitosan/Montmorillonite/Acetaminophen Microspheres; Research on Performance of Flame-Retardant Epoxy Resin Electronic Packaging Materials; Ageing Evaluation of No.2 Lithium Lubricating Grease; Synthesis and Characterization of Rare Earth/Polyurethane Composite Material; Toughness and Thermal Properties of MWCNTs/EP Composites
 Characterization and Piezoelectric Properties of Bismuth Sodium Titanate Prepared by the Hydrothermal Synthesis Method

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013 2nd International Conference on Advanced Materials and its Application (AMA2013), June 22-24, 2013, Wuhan, China. The 57 papers are grouped as follows: Chapter 1: Applied Materials Science, Chemical Engineering and Technologies of Material Processing; Chapter 2: Related Themes. Materials scientists, but also researchers in other fields who deal with advanced materials took part in AMA2013. The 57 papers that cleared peer-review consider such topics as enhancing chloramphenicol sonochemical degradation by sodium peroxydisulfate, the mic
