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Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 976
Disciplina	620.11
Soggetti	Materials science Electronic books.
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	Science and Materials Engineering IV; Preface, Committee, Organizers and Sponsors; Table of Contents; Chapter 1: Synthesis, Obtaining and Materials Modification; Synthesis of New Hexakis-Heterocyclic Compounds and their Use in the Formation and Stabilization of Au and Ag Nanoparticles; Corrosion Resistance of Hot Dip Aluminized Copper Alloys; Effect of Mechanical Vibration during the Solidification Process of an Aluminium Alloy A356; Immobilization of SA--2,6-Gal Receptors Related to Influenza on Magnetic Nanoparticles Coated with Chitosan Physical Properties of Thin Films of GaAs and Al _x Ga _{1-x} As Grown by Solid-Arsenic-Based MOCVD Solid Solutions Study of BaTiO ₃ Doped on B Site by Electronic Compensation; Structural and Textural Study of Highly Porous Carbon Nanospheres; Study of the Effect of Synthesis Method on Obtaining Ca _{0.3} La _{0.7} MnO ₃ ; Synthesis and Characterization of Azobenzene-Containing Polydiacetylene Polymers; Synthesis and Characterization of CdSe Nanoparticles with Cadmium Precursor Variation in Colloidal Synthesis Synthesis and Evaluation of Bifunctional Monomers Derived from Post-Industrial PET as Crosslinking Agents for Acrylic Monomers Synthesis

and Mechanosynthesis of N, N'-bis (thylthyenil)-2,3-butanediimine with Corrosion Inhibitor Properties; Synthesis Method for Obtaining Anode-Supported Tubular Solid Oxide Fuel Cells by Slip Casting; Synthesis, Characterization and Mesomorphic Properties of N,N'-(1,4-Phenylene(methanylylidene))bis(4-(hexyloxy)aniline); Synthesis, Characterization and Optoelectronic Properties of Oligo(p-Phenylvinylidenequinolines) with Different Substituents Thermodynamic Study of Leached Metals (Cu, Zn and Ni) from Waste Printed Circuits by Electrochemical Method Chapter 2: Materials Characterization; Analysis of Hardness, Resistivity and Corrosion of HfN Thin Films Fabricated by D.C. Sputtering; Biocompatibility Evaluation of Co-Ribbons Prepared by Melt-Spinning; Chemical Conditions for ZnS Thin Films Preparation by Chemical Bath Deposition; Corrosion Resistance on the Interlayer of AISI 316L/AISI 304 Stainless Steels Joined with an Iron Based Metallic Glass Ribbon at 1000 °C by Induction Heating
Dissolution of Iron from Oxides in a Solution of Citric Acid and Sodium Thiosulfate Ductile Powders Mechanically Alloyed in an Effective Way; Effect of Substrate Temperature on the Properties of Hafnium Nitride Films Prepared by DC Sputtering; Electrical Characterization of Interface Defects in MOS Structures Containing Silicon Nanoclusters; Electrical Properties of Porous Carbon Powders Synthesized by Nanocasting of Aniline in Mesoporous Silica; Electrochemical Synthesis of Palladium Nanoparticles on HOPG Electrode
Influence of the Temperature on the Diffusion Coefficient Value during the Cobalt Electrodeposition on Different Substrates

Sommario/riassunto

Collection of selected, peer reviewed papers from the Fourth National Congress of Science and Materials Engineering (CNCIM 2013), February 22-28, 2013, Pachuca, Mexico. The 49 papers are grouped as follows: Chapter 1: Synthesis, Obtaining and Materials Modification, Chapter 2: Materials Characterization, Chapter 3: Materials Applications, Chapter 4: New Materials Development and Simulation Materials The 49 papers, selected from nearly 300 presentations, cover synthesizing, obtaining, and modifying materials; characterizing materials; materials applications; and developing and simulating new mat
