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Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 970
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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 Engineering of Materials; Preface and Committees; Table of Contents; Chapter 1: Biomaterials; Biomimetic Porosity of Gelatin-Hydroxyapatite Scaffold for Bone Tissue; Removal of Pb (II) by CS2 Modified Kenaf Powder; The Effects of YSZ-Al2O3 Addition on Hydroxyapatite Fabricted by Powder Metallurgy; The Potential of Quercetin in Psidium guajava L. Leaves Extract as Bioinhibitor for Controlled Released Fertilizer; Synthesis and Properties of Biphasic Calcium Phosphate Prepared by Different Methods; Chapter 2: Catalytic Materials Decolorization of Methylene Blue by Photocatalyst in the Ag3PO4-AgI SystemChapter 3: Ceramics; Investigation of Ultrasonic Pretreatment on the Synthesis of Zeolite-T and its CO2 Adsorption Characteristics; Sintering Effects on Microstructure and Electrical Properties of (Na0. 5K0.5)0.94Li0.06NbO3 Lead-Free Ceramics; Vapochromic Copper (I) Pyrazolate Complex Materials for Phosphorescent Chemosensors of Ethanol; Chapter 4: Coating and Surface Engineering; A Study on Biocompatibility of Gadolinium Based Anodizing Coating AZ91D Magnesium Alloy in Simulated Body Fluid (SBF) Solution

Characterization of Oxide Film by Vanadium Based Anodic Oxidation CoatingInvestigation of Surface Characteristics of Hydroxyapatite/Titanium Composite Layer Obtained by HF Magnetron Sputtering; Chapter 5: Composites; Basalt Carbon Hybrid Composite for Wind Turbine Rotor Blades: A Short Review; Effect of Maleic Anhydride Grafted Poly(actic acid) on Properties of Sawdust/Poly(lactic acid) Composites Toughened with Poly(butylene adipate-co-terephthalate) Effects of Sawdust Content and Alkali Treatment on Mechanical and Flame Retarding Properties of Sawdust/Recycled High Density Polyethylene CompositesElectron Beam Crosslinking of EVA/ENR-50/HNTS Nanocomposites in the Presence of Trimethylol Propane Triacrylate, TMPTA; Quasi-Static Flexural and Indentation Behaviour of Polymer-Metal Laminate; Chapter 6: Electronic and Electronic Packaging; Corrosion Behavior of Soldered and Laser-Welded Ni-Free Co-Cr Alloy Joints in Sodium Chloride Solution
Deposition of Amorphous Boron Carbide Films with Pulsed Magnetron Sputtering and Evaluation of their Mechanical PropertiesFabrication and Characterization of RF Magnetron Sputtered Silicon Oxide Films; Fabrication Method of Mems Based Clamped-Clamped Resonant Magnetometer; Humidity Sensors on Thermally Oxidized Silicon Substrates; Influence of Spinning Speed on the Properties of Sol-Gel Spin Coated ZnO Films; Microstructural and Electrical Conductivity of Annealed ZnO Thin Films; Preparation and Mechanical Characterization of Amorphous B-C Films
Relationship between Precursor Gas Flow Rate with the Structural and Morphology Properties of Diamond like Carbon Films

Sommario/riassunto

Collection of selected, peer reviewed papers from the 1st International Conference on Science & Engineering of Materials 2013 (ICoSEM 2013), November 13-14, 2013, Kuala Lumpur, Malaysia. The 61 papers are grouped as follows: Chapter 1: Biomaterials; Chapter 2: Catalytic Materials; Chapter 3: Ceramics; Chapter 4: Coating and Surface Engineering; Chapter 5: Composites; Chapter 6: Electronic and Electronic Packaging; Chapter 7: Concrete and Structural Materials; Chapter 8: Material Modeling and Simulations; Chapter 9: Environmentally Sustainable Materials and Processing; Chapter 10: Materials Con