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Descrizione fisica	1 online resource (471 p.)
Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 910
Disciplina	670.42
Soggetti	Manufacturing processes Industrial engineering Materials science Information technology 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	Materials, Manufacturing Engineering and Information Technology; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Material Science; Bottom-Up Fabrication of Optical Metamaterials; Co3O4 Nanoparticles Prepared by Precipitation; The Effect of Temperature on the NiCu Coating Prepared by Electroplating; The Influence of pH Value on the NiCu Coating Synthesized by Electroplating; Preparation and Properties of Alcohol-Soluble Acrylate Adhesive; Preparation and Properties of Porous Hydroxyapatite Ceramics by Three Dimensional Stacking with Homogeneous Fibers Corrosion Behavior of Phosphate Conversion Coating on AZ31 Mg Alloy in 3.5% NaCl SolutionFlammability and Thermal Degradation of

PMMA/Graphene Composites; AE Characterization of Cracking Mode in Sandstone Uniaxial and Brazilian Tests; Early Effect for 28nm HK/MG PMOSFETs after Post Deposition Annealing Treatment; Threshold Voltage Adjustment for 28nm HfOx/ZrOx/HfOx Gate Dielectric of nMOSFETs Using DPN Process with Annealing Temperatures; Influence of Structural Relaxation on Compressive Plasticity of Zr₆₄.13Cu₁₅.75Ni₁₀.12Al₁₀ Bulk Metallic Glass
 Preparation and Analyzing Character of Chitosan Block in Fluffy Meshwork Shape Formed from Chitosan Fine Hair
 Deep Desulfurization of Diesel Fuel Oxidized with TBHP Coupled with Solvent Extraction Intensified by Ultrasound; An Orthogonal Experimental Analysis of WEDM-HS of Al₂O₃ Particle-Reinforced Aluminum Alloy 6061 with 10-Vol% Al₂O₃; Research on Biological Materials for the Preferred of the Chlorophyll Content Gray GM (1,1) Prediction Models Based on the Different Light; Toughening of Epoxy Resin Modified with In Situ Polymerized Acrylate Copolymer
 Study on Elastic Modulus of Porous Ti Coatings by Three-Point Bending and Indentation Measurement
 Evaluation of Acoustic Characteristics for Various Composite Ventilation Material by Using Impedance Tube; Effect of Vermiculite and Bulk Density in the PU Foam Composite Board for the Absorption Coefficient and Acoustic Impedance; Low-Phosphorus Electroless Nickel-Coated Carbon Fibers; Experimental and Theoretical Investigation of Flexure Behavior and Failure Mode of Filament-Wound Composite Tube; Experimental Research on Rheological Properties of Slick Water Mixed with CO₂ System
 Preparation and Properties of BR/SBR Blends Using Surface-Modified Nano Zinc Oxide
 Effects of Fiber Component on Tensile Properties of Composites; Recovery of Metal Values from Low-Grade Heterogenite with Reductive Ammonia Leaching Method; Study on Milling Force of High Volume Fraction SiCp/Al Composites with Ultrasonic Longitudinal and Torsional Vibration High Speed Milling; Vanadium & Titanium's Effects on High Strength Weathering Steel's Impact Toughness in CGHAZ; Simulation of Fixed Bed Reactor for the Dehydration Reaction from Alcohol Gas to Ethylene
 Mechanical Property for the Combining Yarn of BF/GF and Polypropylene

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 2nd International Conference on Advanced Composite Materials and Manufacturing Engineering (CMME 2014), March 22-23, 2014, Wuhan, China. The 104 papers are grouped as follows: Chapter 1: Material Science, Chapter 2: Applied Mechanics, Chapter 3: Mechanical Engineering, Chapter 4: Information Technology and Applied Research
