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Altri autori (Persone)	YangGuohui
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Nota di contenuto	Nanotechnology and Advanced Materials II; Preface and Organizing Committee; Table of Contents; Chapter 1: Material Science and Chemical Engineering; The Influence of Sulfurization Time and H ₂ S Concentration on the Properties of Cu ₂ ZnSnS ₄ Thin Films; Research of Superplasticity Deformation Behavior about Coarse-Grain Ti-22Al-25Nb Alloy; Friction Stir Processing: An Operational Method to Improve Ductility in Pure Copper; Microstructure Analysis for Emulsified Asphalt Cement Concrete; Use of Cement Hydration Stabilizer Admixture at Ready Mix Concrete to Avoid Material Waste Experimental and Numerical Study of Ballistic Impact Performance on UHMWPE Composites Spectroscopic Characterization Technical High Resolution of Gold from a Memory Card RAM; Preparation of Castor Oil-Based Waterborne Polyurethane and its Application in Electrostatic Copy Paper Surface Enhancing; Carbon Fiber Reinforcing Frame Joint with Shear Failure of Core Area; Synthesis and Characterization of Reactive Michler's Ketones; Simulating the Effect of Current Pulse on Plasticity of the Pure Aluminum 1A99; Study of Gypsum Dehydration Time in CaCl ₂ Solution; Slag-Sulphate Binder Preparation Crystal Field Analysis of the Magnetization Curves of HoFe ₁₁ Ti under High Pressure Analysis of Two Surfaces under Viscoelastic Contact;

Effect of Silver Content on Bulk Properties and Interfacial Morphology of Sn-xAg-Cu Solders; The Structural Characteristics of CIS Thin Films Prepared by Electro-Deposited Method; Modeling of BOF Steelmaking Based on the Data-Driven Approach; Service Life of Cementitious Photocatalytic Paints Newly Formulated; On the Influence to Social Life of the Artistic Features in the Reuse of Materials; Chapter 2: Nanotechnology

Using the Superficial Resonant Peak and PCA for Determining the Gold Nanoparticle Diameter Pull-in Voltage Analysis of Carbon Nanotube Based Electrostatic Actuators by Using the ANSYS Software; Variation of Concrete Strength with the Insertion of Carbon Nanotubes; Nonlinear Optical Studies of SWCNT+Coproporphyrin III Hybrid Systems; Localized Surface Plasmon Resonance of Single Silver Nano-Hemisphere; Laser Driven Paraffin Microsphere Transportation on a Single Carbon Nanocoil; Chapter 3: Management, Analysis and Engineering Research Research on Emergency Management System Based on Cloud Computing Measurement and Testing of the NSRRC Power Supply for Conduction EMI; The Field Current Research on Paratactic Structure Hybrid Excitation Synchronous Generators for Wind Power Generation; Operating Mode Analysis on Paratactic Structure Hybrid Excitation Synchronous Generators for Wind Power Generation; The Research and Application of Configuration Management Based on Equipment of PDM; Analysis of Stress in Half-Space Using Jacobian of Transformation and Gauss Numerical Integration Theoretical and Experimental Investigation of Machining of AISI H13 Steel

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013 2nd International Conference on Nanotechnology Technology and Advanced Materials (ICNTAM 2013), August 4-5, 2013, Los Angeles, CA, USA. The 43 papers are grouped as follows: Chapter 1: Material Science and Chemical Engineering; Chapter 2: Nanotechnology; Chapter 3: Management, Analysis and Engineering Research; Chapter 4: Control, Automation and Detection Technologies. 2013 serves as good platforms for academics, researchers, and engineers to meet and exchange innovative ideas and information on all aspects of nanotechnology and materi
