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Altri autori (Persone)	WangTingting
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Nota di contenuto	Advanced Technologies in Nano Materials and Electric Devices; Preface and Committee; Table of Contents; Chapter 1: Material Science Engineering and Technology; Copolymerization of Carbon Dioxide and Propylene Oxide with Multi-Metal Cyanide Complexes as Catalyst; Effects of Alloy Elements (Mo, Al, and B) Addition on the Damping Property of Ti-25Nb-1.5O Alloys; Microwave Absorbing Properties of Polymer Composites Containing High-Permeability Magnetic Flake Particles in Quasi-Microwave Frequency Band; Thermal Stability of Thiolate Self-Assembled Monolayers on Copper Surface The Synthesis and Bioactivities of 2-Hydroxyethyl Benzo[d] Isothiazole-3(2H)-One Marine Antifouling PaintsPreparation and Curing Behaviour of N-Phenylmaleimide-Styrene-Maleic Anhydride Copolymer/o-Cresol Formaldehyde Epoxy Resin Composite System; Deterministic Single InGaN Quantum Dots grown on GaN Micro-Pyramid Arrays; Study on the Effect of Matrix Properties on the Mechanical Performance of Carbon Fabric Composites; Research Progress of Surface Treatment Techniques in the Application of Fouling Prevention and Heat Transfer Enhancement; Chapter 2: Nano Materials and Technologies Photoelectric Characteristics of ZnO Nanowires Grown on AZO Thin FilmComparative Evaluation of Different Methods for Preparation of

SiO<sub>2</sub>/Epoxy Nanocomposite; Influence of Magnetoelastic Anisotropy on Properties of Nanostructured Microwires; Distribution Time of Gold Nanoparticles Pass through the Solid State Nanopore in Deionized Water; Synthesis of Silver Nanowire Using a Template Wetting Process; Synthesis and Characterization of Nanocrystalline MgO for Optical Applications Using Sol-Gel Method; Optimal Processing for Hydrophobic Nanopillar Polymer Surfaces Using Nanoporous Alumina Template

Using Modified Creep and Recovery Tests to Evaluate the Foam-Based Warm Mix Asphalt Contained Nano Hydrated LimeHybrids of Graphenes and Silver Nanoparticles Prepared by In Situ Process Employing Microwaveirradiation; The Morphologies of Pt Decorated on PANI Membrane and Effects on Glucose Biosensor; Silver Metal Pattern Fabrication on a Glass Substrate Using a Conformal Contact Printing;

Chapter 3: Advanced Mechanical Engineering and Mechatronics Application; Configuration Evaluation of Printing Machine Based on Intuitionistic Fuzzy Entropy and TOPSIS

Iterative Detection Scheme for Turbo-BLAST System with Adaptive Power Allocation in the Presence of Channel State Information

ImperfectionComparison of Human Jogging and Walking Patterns Using Statistical Tabular, Scatter Distribution and Artificial Classifier; Direct Torque Control Using Fuzzy and Neural as Switching Vector Selector for Doubly Fed IM; Kinematics Analysis and Design of a Novel Robot

Shoulder Joint; Analysis of Static and Optimization of Structural Parameters for a Novel Leg Mechanism

Primary Methods of Decreasing the Pollutant Emissions in an Industrial Furnace of Liquid Fuel of 100 MW

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#### Sommario/riassunto

The volume contains selected, peer reviewed papers from the 2012 International Conference on Nano Materials and Electric Devices (ICNMED 2012), December 19-20, 2012, Hong Kong. The papers are grouped as follows: Chapter 1: Material Science Engineering and Technology; Chapter 2: Nano Materials and Technologies; Chapter 3: Advanced Mechanical Engineering and Mechatronics Application; Chapter 4: Electric and Magnetic Engineering, Electronics and Information Technology Application.

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