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Collana	Applied mechanics and materials ; ; volume 468
Altri autori (Persone)	XuB LiH. Y
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Research on Material Engineering and Manufacturing Engineering; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Materials Science; Study on Forming Process of Plant Fiber Multilayer Decorative Board (I) - Effect of Fiber Content on the Properties; The Application of CFRP Reinforced Concrete Beams; Properties of Oil Absorptive Resins and Swelling Kinetics; The Influence of Corrosion Inhibitor BTA on Zinc Flux; The Coupling Thermal and Mechanical Analysis of Machining Aluminum Alloy Work-Piece Based on FEM Study on Effect and Action Mechanism of Different Superplasticizer on Properties of Titanium Gypsum The Preparation of Fiber-Reinforced Foaming Desulfurization Gypsum; Study on the Experimental Ratio of New Cement-Based Composite Insulation Board; Activator on Properties of Red Mud Lightweight Baking-Free Brick; Modification of Colloidal Silica with Sodium Aluminate; Grashof Number Effects on Nanofluids in Natural Convection Heat Transfer; Investigation on Dispersive Behavior of TiO ₂ -H ₂ O Nanofluids Research on Oilfield Produced Water Treatment by Moderately

Compressed Exfoliated Graphite Blocks Reutilization of RFA of Construction Waste in Cement Mortar; Chapter 2: Chemistry Materials and Manufacturing; Mineral Slat of Mahai Salt Lake Dissolution Experiment and Numerical Simulation; Synthesis and Application of 1-(2,5-dimethyl-3-thiazolyl)-2-[2-methyl-5-(4-hydroxymethylphenyl)-3-thienyl]perfluorocyclopentene; Synthesis, Photochromic Properties of a Novel Unsymmetrical Hybrid Diarylethene Material with Benzene Unit Synthesis and Properties of 1-[2-trifluoromethylphenyl-2-[2-methyl-5-(3,5-difluorophenyl)-3-thienyl] perfluorocyclopentene Synthesis and Properties Study of 1-(2,4-dimethoxyl-5-pyrimidinyl)-2-[2-methyl-5-(2-chlorophenyl)-3-thienyl-]perfluorocyclopentene; Synthesis and Photochromism Studies of 1-(2,4-dimethoxyl-5-pyrimidinyl)-2-[2-methyl-5-(2-methoxyphenyl)-3-thienyl]perfluorocyclopentene; Synthesis and Properties of 1-(2-cyanophenyl)-2-[2-methyl-5-(3,5-difluorophenyl)-3-thienyl]perfluorocyclopentene Synthesis and Property of 1-(2,4-dimethoxyl-5-pyrimidinyl)-2-[2-methyl-5-(2-fluorophenyl)-3-thienyl]perfluorocyclopentene Synthesis and Properties of a Novel Symmetrical Diarylethene with Bromine Atoms; Chapter 3: Applied Mechanics; PUSHOVER Analysis in the Application of the Framework Structure Reinforcement; Study of Wave Added Resistance on Wigley Ship; Excavation Mechanics Analyses for Shield Tunnels Considering Consolidation Material Property Impacts; Identification of the Dynamic Properties of Mechanical Joints The Study on Cavitation Phenomena of Zoom Nozzle Based on Orthogonal Experimental and Spraying Mechanics

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013 International Conference on Material Engineering and Manufacturing Engineering (ICMEME 2013), November 24-25, 2013, Hunan, China. The 36 papers are grouped as follows: Chapter 1: Materials Science, Chapter 2: Chemistry Materials and Manufacturing, Chapter 3: Applied Mechanics, Chapter 4: Manufacturing Engineering and Applied Technology
