

1. Record Nr.	UNINA9910962087103321
Titolo	Research on material engineering and manufacturing engineering : selected, peer reviewed papers from the 2013 International Conference on Material Engineering and Manufacturing Engineering (ICMEME 2013), November 24-25, 2013, Hunan, China / / edited by B. Xu, H. Y. Li
Pubbl/distr/stampa	Durnten-Zurich : , : Trans Tech Publications, , [2014] ©2014
ISBN	9783038263401 3038263400
Edizione	[1st ed.]
Descrizione fisica	1 online resource (178 p.)
Collana	Applied mechanics and materials ; ; volume 468
Altri autori (Persone)	XuB LiH. Y
Disciplina	620.11
Soggetti	Materials science Production engineering
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 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
