

1. Record Nr.	UNINA9910822373503321
Titolo	Manufacturing and applied research : selected, peer reviewed papers from the 2014 2nd International Conference on Manufacturing (Manufacturing 2014), February 9-10, 2014, Singapore // edited by Dayun Xu
Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications, , 2014 Durnten-Zurich, Switzerland ; ; Enfield, New Hampshire : , : distributed worldwide by Trans Tech Publications, , [date of distribution not identified] ©2014
ISBN	3-03826-440-7
Descrizione fisica	1 online resource (485 p.)
Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 909
Disciplina	670
Soggetti	Production engineering Manufacturing processes Industrial 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 at the end of each chapters and indexes.
Nota di contenuto	Manufacturing and Applied Research; Preface and Conference Committees; Table of Contents; Chapter 1: Materials Science and Materials Engineering; Analysis of Influence of Pressing Speed, of Melt Temperature and of Casting Position in a Mold upon Ultimate Tensile Strength Rm of Die Casting from Aluminium; Comparison Study of Fire Resistance According to Differences of Length of H-Section Made of Submarine Structural Steels; High Birefringence Liquid Crystals Mixtures and their Selected Applications; Combustion Synthesis of (Ti,V)2AlC Solid Solutions; Protective Clothing Using Nanofibers Fabrication of 90° Wall of {100} Plane on (100) Si by NaOH Solution via Design of Experiments The Melting Behaviors of the Bimetallic Cluster ConCu55-n(n=0~55); Fabrication of Multiple Al Micro-Materials by Electromigration Using a Comb Pattern and a Conductive Passivation Film; Effect of NaWO3F Content on the Liquidus Temperature of NaCl-KCl-NaWO3F Molten Salt System; Effect of Na2WO4 Content on the

Liquidus Temperature of NaCl-KCl-NaF-Na<sub>2</sub>WO<sub>4</sub> Molten Salt System; Effect of Na<sub>3</sub>WO<sub>3</sub>F<sub>3</sub> Content on the Liquidus Temperature of KCl-Na<sub>3</sub>WO<sub>3</sub>F<sub>3</sub> Molten Salt System  
Effect of WO<sub>3</sub> Content on the Liquidus Temperature of NaCl-KCl-NaF-WO<sub>3</sub> Molten Salt System  
A Simplified Fabrication Method of Dielectrophoresis Chip Using Au Thin-Film and Box Cutter; The Structure and Properties of EPDM/PP/OMMT Nanocomposites by Melt Extrusion; Use of CrN Passivation for Fabricating Al Micro-Materials by Electromigration; Synthesis of Lignin Amine Asphalt Emulsifier and its Investigation by Online FTIR Spectrophotometry; Friction Stir and Gas Tungsten Arc Welding of ZM21 Magnesium Alloy; Ultrasonic Enhancement of Separation Azeotropic Mixtures via Single Distillation Column  
Studies on the Way of Obtain C<sub>4</sub>H<sub>8</sub>+ Small Fragments by the Ring of C<sub>5</sub>H<sub>8</sub>O+Study on Reactive Ion Etching of Vanadium Oxide Thin Film by Taguchi Method; Immobilization Efficiency Evaluation by Using Tessier, TCLP and SBET Method for As, Cu and Pb Contaminated Soils; Heat Treatment Recycling of Dual Phase Region and its Effect on Hardness, Microstructure and Corrosion Rate of Medium Carbon Steel; Chapter 2: Design, Manufacturing and Mechanical Engineering; Innovation Capability in the Manufacturing Sector: A Review in the Perspective of Knowledge Sharing Factors  
Commonality Index of Outsourced Function Module Based on Generalized Dice Coefficient  
The Study on Scroll Spring for Energy Recovery for a Washing Machine; Vibration Signal Analysis and Fault Diagnosis of Gears Based on Hilbert Marginal Spectrum; A New Precise Apparatus for Solid Density Measurement up to 10 kg; The Kinematics Model and Simulation of a Subminiature Based on Marine Ranching; A Research on Quality Risk Controlling Principles and Methods in Automotive Products' Design Based on the Quality Gates  
The New Design Idea about Rock Direct Tensile Testing Machines Based on the Magnetic Levitation Principle

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Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 2nd International Conference on Manufacturing (Manufacturing 2014), February 9-10, 2014, Singapore. The 85 papers are grouped as follows: Chapter 1: Materials Science and Materials Engineering, Chapter 2: Design, Manufacturing and Mechanical Engineering, Chapter 3: Control, Automation and Information Technology, Chapter 4: Computer Aided Modeling, Data Monitoring and Analysis

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