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Titolo	Materials, industrial and manufacturing engineering research advances 1.2 : selected, peer reviewed papers from the 1 st International Materials, Industrial and Manufacturing Engineering Conference (MIMEC 2013), December 4-6, 2013, Johor Bahru, Malaysia // edited by Denni Kurniawan and Fethma M. Nor
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Materials, Industrial and Manufacturing Engineering Research Advances 1.2; Preface; Table of Contents; Chapter 1: Materials Engineering; Electrochemical Self-Assembly of ZnO Nanosheetlike Structures; Lubricity of Palm Fatty Acid Distillates at Various Rotational Speeds; InSe Nanothin Film with Ar-Gas Low Vacuum Pressure; Thermoluminescence Properties of Optical Fibers Doped with RE+3 (RE=Sm, Nd) Ions Subjected to X-Ray Irradiation; Effect of Fiber Loading on Tensile Properties of Cocoa Pod Husk Fibers Reinforced Thermoplastic Polyurethane Composites Natural Clinoptilolite and Chabazite as Carrier for Antibacterial Agents of Cetylpyridinium Chloride (CPC) and SilverEffect of Melt Temperature on the Interfacial Thermal Resistance and Solidification Behaviour of Al/SiCp Composites; Preparation and Tribological Performance of Silica/Ethylene-Octene Copolymer Nanocomposites; Antibacterial Properties of Guided Bone Regeneration Membrane for Periodontal Applications; Selective ZnO Nanorods Hydrothermal Growth through Resist Patterning Method; Effect of Heat Treatment on Tensile Strength and Microstructure of AZ61A Magnesium Alloy A Simple and Cost-Effective Method for Fabricating Chitosan-Filled

Filter Media from Lignocellulosic Biomass Biofilm Green Packaging: Characterization and Biodegradation Studies; Pyrolysis of Solid Palm Waste Biomass with Microwave Absorber under Microwave Irradiation; Preferred Growth Orientation of Cementite Carbide by Phase-Field Simulation; A Review of the Low-Temperature Degradation of Dental Zirconia; Mechanical Properties of Polylactic Acid/Treated Fermented Chitin Nanowhiskers Biocomposites
Simulation of Automotive Galvanized Steel Stamped Parts: Experimental and Numerical Approach
Response Prediction of Static Modal Testing on Milling Machine Tool; Top Spray Fluidized Bed Granulated Paddy Urea Fertilizer; Reduction of Rejection Rate for High Gloss Plastics Product Using Six Sigma Method; Experimental Investigation on the Use of Bispectral Analysis in Detecting Nonlinear Faults in Hydraulic Machines; Experimental Investigation on Dynamic Characteristics of Polypropylene Honeycomb Sandwich Structures under the Influences of Different Temperatures
R-Curve Modelling of Mode I Delamination in Multidirectional Carbon/Epoxy Composite Laminates

Sommario/riassunto

Collection of selected, peer reviewed papers from the 1 st International Materials, Industrial and Manufacturing Engineering Conference (MIMEC2013), December 4-6, 2013, Johor Bahru, Malaysia. The 52 papers are grouped as follows: Chapter 1: Materials Engineering, Chapter 2: Manufacturing Engineering, Chapter 3: Industrial Engineering
