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Soggetti	Mechanics, Applied Mechanical engineering Electronic books.
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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 index.
Nota di contenuto	Mechanical Science and Engineering V; Preface, Sponsors and Reviewers; Table of Contents; Chapter 1: Materials Science, Technology and Application; Research of Silver-Plated Filament Embedded Woven Fabric's Wearing Properties; HA Coating on the Surface of Titanium and Titanium Alloy; Phase Field Simulation of Effect of Super-Cooling Degree on Nickel Dendrite Growth; Research on Bridge Seismic Performance of Reinforced Concrete Reinforced by Carbon Fiber; A Study on the Change of Fluorescent Powder Component by Orthogonal Design; Penetration Resistance Research of Fiber Reinforced RPC Study on Modifying of Polypropylene and Calcium CarbonateThe Summary on Important Damage Detection Technology of Composite Materials; Design of Assembled Post-Tensioned Prestressed Reactive Powder Concrete Wind Turbine Tower; Influence of Dachuanxiong Gelata on Nitric Oxide (NO), Nitric Oxide Synthase (NOS) and Calcitonin Gene-Related Peptide (CGRP) in Plasma of Rat Having a Headache; Preparation of Gel-Formed Dachuanxiong Prescription Delivered

through Nasal Mucosa; Alumina High Pressure Dissolving Temperature Object Model Identification
Research on Dedusting Technology in the Concrete Mixing Station Powder Silo
Experimental Research on the Characteristics of the Magnetic Compound Fluid by Grinding Solar Wafers; Influence of Electrochemical Etching Parameters on Morphology of Porous Silicon; Study on Friction Property of the Ni/ZrO₂ Composite Infiltrated Layer on Cast Steel Surface under Dry Friction; Investigation on Properties of MEMS Based Micropyrotechnic Igniter; The Application of New Type Fiber to the Sports Equipment; The Reproduction of New Clothing Materials - Lotus Effect
Evaluation System's Research on Textile Fiber Material Ecological Recycling
Chapter 2: Applied Mechanics, Measurements, Detection, Electrical, Mechanical and Construction Engineering; Analog Circuit Fault Diagnosis Based on Support Vector Machine; Propagation Rules and Development of Shock Wave Caused by Roof Caving in Goaf; Analysis and Calculation of Earth Pressure Based on Nonlinear Theory; The Research of Three-Phase Power System Data Detecting Device Based on ADUC836; The Design of Power Harmonic Analyzer Based on UC/OS-II; The Application of Riegl Laser Scanner in Topographic Survey
The Key Construction Techniques of Long Span Continuous Rigid Frame Bridge of the Expressway in Mountain Areas
Research on the Influence of Deep Foundation Pit Excavation on Neighboring Buildings; Analysis on the Reliability of Power Supply for Fire-Fighting Equipment; Analysis of Technology and Quality Control Measures of Road Bridge Construction; Optimization of the Damping Seat's Body Structure Based on the Task Space; Effect of Mount Position of Main Winch on Drilling Mast Strength in Rotary Drilling Rig
Effect of Bionic Concave Surface to the Drag Reduction Performance of Cylinder Sealing Ring

Sommario/riassunto

Collection of selected, peer reviewed papers from the 5th International Conference on Mechanical Science and Engineering (ICMSE2014), November 14-16, 2014, Xi'an, Shanxi, China. The 82 papers are grouped as follows: Chapter 1: Materials Science, Technology and Application, Chapter 2: Applied Mechanics, Measurements, Detection, Electrical, Mechanical and Construction Engineering, Chapter 3: Products and Systems Design, Modeling, Simulation and Control.
