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Altri autori (Persone)	ZhangHelen JinDavid ZhaoX. J
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Applied Mechanics, Materials and Mechanical Engineering; Preface and Committee; Table of Contents; Chapter 1: Material Engineering, Technology and Material Application; Fluorite Flotation of a Fluorite-Bearing Pb-Zn Tailings; Flotation of a Lead Sulphide Ore in Sichuan, China; Beneficiation of a Low Grade Lead Ore by Gravity Pre-Concentration and Flotation; Research of Environmental Materials with Sewage Marine Discharge Diffusion Effect in YangKou Port; Study on Energy Materials with an Important Source of China's Energy - Kazakhstan Crude Oil Pipeline Transportation Potato Starch Processing Wastewater Physical Property Estimation Based on Material Properties Determination of Clenbuterol and Florfenicol in Milk Using Miniaturized Solid-Phase Extraction Based on Hybrid Material; Preparation and Properties of Ni-TiB <sub>2</sub> -Gd <sub>2</sub> O <sub>3</sub> Composite Coatings by Electrodeposition; Application of Nanomaterial in Sports and its Safety Research; The Sintering Characteristics of Industrial Solid Waste Incinerator; Chapter 2: Applied Mechanics, Hydrodynamics and

Dynamic System, Vibration; Simulation and Research of Multiple Degree Freedom Vibration System Based on MapleSim  
Research on Fluid Mechanics with Slip Flow of Viscoelastic Fluid in the Micro Channel Experimental Design and Mechanics Study on Brain Injury Tolerance under Sagittal Angular Acceleration Based on Shearing Strain Equivalent Coupling Method; Effect of Drive Location on Vibro-Acoustic Characteristics of Submerged Double Cylindrical Shells with Damping Layers; Prediction for Strength of 3D Braided Composites Based on Helix Geometry Model; Earthquake Mechanics Study with Health Check for a Seismic-Damaged Tunnel Suffered from the Wenchuan Earthquake  
Experimental and Application Study of a New Type High Strength Repairing Mortar for Hydraulic Concrete Study on Hydromechanics with Critical Instability Flowrate of Two Ends Supported Pipe Conveying Fluid; The Dispersion Estimation Method for Assembly Stress of Silicone Rubber Foam Pad Based on Extreme Value Distribution; The Research Nonlinear Mechanics for Non-Backlash Output Mechanism of Precision Ball Planetary Drive; Force and Simulation Analysis of Thrust Rod on Heavy Commercial Vehicle Balanced Suspension  
Simplified Analysis of Different Types of Slope Reinforcements in a Rigid Grid-Pile Composite Foundation Waste Fiber Recycled Concrete Performance Based on Fracture Mechanics Research; The Study of Winding Performance in Key Stage on a Parallel Grooved Drum; Strength Analysis of Parallel Grooved Drum; Research on Tensioning Scheme of Spatial Steel Arch Bridge; Simulation and Experimental Verification of Typical Aircraft Panel Structure Using Piezoelectric Effect for Vibration and Noise Reduction; Effect of Crack Statically Growing on Stress and Strain at Crack Tip for Power Hardening Materials  
Experiment Research on Dynamic Characteristics of Ground Fissure Belt Loess in Xi 'an Area

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#### Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013 International Conference on Applied Mechanics, Materials and Mechanical Engineering (AMME2013), August 24-25, Wuhan, China. The 78 papers are grouped as follows: Chapter 1: Material Engineering, Technology and Material Application; Chapter 2: Applied Mechanics, Hydrodynamics and Dynamic System, Vibration; Chapter 3: Mechanical Engineering, Control and Automation Technologies, Equipment. AMME2013 is documented by 78 papers on material engineering, technology, and material applications; applied mechanics, hydrodynamics and dynamic system

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