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Altri autori (Persone)	JinDavid ZhangHelen ZhaoX. J
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Nota di contenuto	Advanced Research on Energy Materials and Material Application; Preface and Committees; Table of Contents; Chapter 1: Energy Engineering and Energy Materials based on Energy Saving; Study of EV Composite Power Supply for Energy Saving; Study on Energy Saving by Means and Potentiality of Hybrid Wheel Loader with Energy Materials; An Empirical Study of Energy Industry with Energy Materials and an Indexing System; Analysis on Environmental Materials for Energy Saving with Protection Measures of Integrated Circuit Industry Study on Reproduction of Ink Color with Paper Performance Based on Energy Saving and Special Material PropertiesEnvironmental Evaluation for Three Typical Steel Pipe Production Processes Based on Energy Materials and Life Cycle Assessment; Characteristics of Cellulose from Lespedeza stalks Steam Pretreated with Low Severity Steam and Post-Treatment by Alkaline Peroxide for Energy Production; A Study on the Structural Change of Land Use for Energy Saving in Xinchang County

with Application of Ecological Materials Based on Lorenz Curve and Gini Coefficient

Study on Village Scale Land Ecological Suitability Evaluation Based on Green Energy Materials and Applications - A Case Study Based on Gulou Village
Deliberation towards Explanation of Coriolis Force in Geography Study Based on Energy Saving and Applications of Energy Materials; Water Sorption and Percolation for Proton-Conducting Electrolyte Membranes for PEM Fuel Cells; Cinder Supported CaO/KF Catalyst Material and its Application in Continuous Biodiesel Production; Research of High Dielectric Constant of Polymer Matrix Composites and its Application for Energy Saving

Chapter 2: Material Engineering and Material Applications
Fabrication of Ag-InVO₄ Thin Films and Photocatalytic Degradation of Methylene Blue under Visible Light Irradiation; Kinetic Investigations of Biodiesel from Cottonseed Oil and Ethanol by Transesterification in Biomaterial and its Application; Study on Digital Camouflage Tent Cloth and its Application with Pigment Printing; Residual Stress Simulation in Multi-Pass Weld of Stainless Steel Pipes; Application of Water Reducing Agent in Concrete of Engineering Materials

The Development of Free of Chrome of Basic Refractory Materials for Cement Kiln and its Applications in Engineering
Study on Properties of Re-Bonded Magnesium Zirconium Refractory Materials and Materials Application; Preparation of Mesoporous TiO₂ Microspheres by Ultrasonic-Hydrothermal Process and its Photocatalysis; Preparation of Molecularly Imprinted Polypyrrole and Carbon Nanotubes Film Modified Electrode for Dopamine Recognition; Sensitive Simultaneously Determination of Cd²⁺ and Pb²⁺ by Polypyrrole/Multi-Walled Carbon Nanotube Modified Electrode

Sensitive and Selective Determination of Aminophenol Isomers in Chromogenic Reaction by Carbon Nanotubes

Sommario/riassunto

In these proceedings are to be found many original ideas and new viewpoints concerning aspects of Energy Materials and Materials Applications. They are the outcome of a platform where researchers could exchange their innovative ideas with a new perspective. This work offers invaluable guidance to scientists, physicists, chemists, teachers and others, worldwide. Review from Book News Inc.: Hot from a September 2012 international conference in Wuhan, China, 48 papers look first at energy engineering and energy materials based on energy saving, then at material engineering and material applicatio
