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Titolo	Applied energy and power engineering IV : selected, peer reviewed papers from the 4th International Conference on Energy, Energy and Sustainable Development (EESD 2014), October 25-26, 2014, Nanjing, China / / edited by Danhong Cheng, Qunjie Xu and Weifeng Yao
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Descrizione fisica	1 online resource (2137 p.)
Collana	Advanced Materials Research, , 1662-8985 ; ; Volumes 1070-1072
Disciplina	530.138
Soggetti	Energy transfer Industries - Power supply Power resources
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	Applied Energy and Power Engineering IV; Preface and Conference Organization; Table of Contents; Chapter 1: Development and Utilization of Solar Energy; Analysis of Limit Angle Deviation for the Spot of Solar Simulator; Development of Wind-Solar-Diesel-Battery Integrated Seawater Desalination Device; The Solar-GSHP System Applied in the Administrative Regiona of a TYPICAL Port; Comparative Analysis of Inverter Topology for Highly Efficient Single-Phase Photovoltaic Generation System; Design and Research of Integrated PV and Storage Grid-Connected Generation System Solar Temperature Difference of a Complementary Power Generation Device for Automotive ApplicationsStrategy for Grid-Connection Control of Photovoltaic System; Study on the Heat Transfer Mechanism of Ceramic Solar Collector; Development Status and Measures of China's Photovoltaic Power Industry under the International Background; Optimization of Photovoltaic Array Configurations in Photovoltaic System; Study on Automatic Control Method of Photovoltaic Power Systems; Study on Solar Photovoltaic Tracking System Based on Servo Control

The Effect of Digital Process of Single-Phase Photovoltaic Grid Connected InverterThe Feasibility Study of Distributed Photovoltaic Power Generation System in Western Region of China; The Influence of Distributed Photovoltaic Access to Distribution Network on Voltage Profile; Chapter 2: Development and Utilization of Biomass Energy; Thermogravimetric and Pyrolysis Kinetic Analysis of Elmwood; Conversion of Biomass-Derived Glycolide to Ethylene Glycol over Cu; Development of the Straw Based Power Generation in China: A Critical Analysis

Influence of Catalyst on Direct Ethyl Lactate Production from Glucose and EthanolAnalysis and Optimization of Fuel Delivery Advance Angle

of Waste Cooking Oil Biodiesel Using MATLAB; Cellulolytic Enzyme Lignin Efficiently Blended with Polycaprolactone: Thermal, Mechanical Properties and Morphological Evaluation; Biodiesel Production from Waste Cooking Oils by Using Immobilized Microorganisms as Whole Cell Catalysts; Effects of Silage Additives on Biogas Production of Hybrid *Penisetum*; Isolation and Preliminary Identification of Cellulose-Decomposing Microorganisms Form Bamboo Forest

Selective Depolymerization of Sulfuric Acid Pretreated Wheat Stalk under Microwave-IrradiationTorrefaction of Biomass: Effect of Temperature on the Properties of Liquid and Gaseous Products; Biomass Energy - Effective Utilization of Crop Straws; Thermodynamic Analysis of Ethanol-Diesel Oil and Waste Heat Recovery for Diesel Engines; Thermogravimetric Study on the Co-Pyrolysis Characteristics of Bituminous Coal and Wheat Straw; Triglycerides Catalytic Hydroconversion into Bio-Aviation Fuels Based on Temperature by One-Step

Effect of Carbon Sources and Fe³⁺ on the Growth and Lipid Accumulation of *Monoraphidium* sp. FXY-10 under Mixotrophic Culture Condition

Sommario/riassunto

Collection of Selected, Peer Reviewed Papers from the 4th International Conference on Energy, Environment and Sustainable Development (EESD 2014), October 25-26, 2014, Nanjing, China. the 387 Papers are Grouped as Follows: Chapter 1: Development and Utilization of Solar Energy; Chapter 2: Development and Utilization of Biomass Energy; Chapter 3: Development and Utilization of Wind Energy; Chapter 4: Nuclear Energy and other Energy; Chapter 5: Energy-Saving and Energy-Storage Technology; Chapter 6: Energy Chemical Engineering, Energy Materials and Fuel Cell; Chapter 7: Power System and Automati
