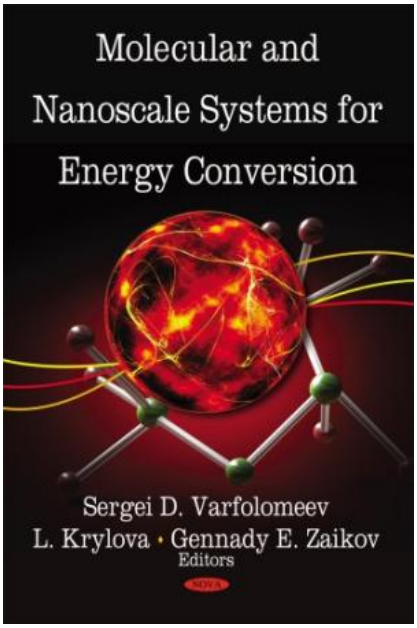


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Molecular and Nanoscale Systems for Energy Conversion

By Sergei Dmitrievich Varfolomeev, L. Krylova, Gennady Zaikov

Nova Science Publishers Inc. Hardback. Book Condition: new. BRAND NEW, Molecular and Nanoscale Systems for Energy Conversion, Sergei Dmitrievich Varfolomeev, L. Krylova, Gennady Zaikov, The book covers the proceedings of International conference, 'Molecular and Nanoscale Systems for Energy Conversion'. The monograph is including information about: Energy Poten Anaerobic Digestion of Wastes produced in Russia via Biogas and Microbial Fuel Cell Technologies; New Photovoltaic Composite Materials based on Fullerene and Phthalocyanine Derivatives; Voltaic Effect in the Molecular Complexes of (Dtds)2 C60; Porphyrin Dyads with potential use in Solar Energy Conversion; Molecular Photovoltaic Systems simulating Photosynthesis as perspective Solar Energy Converters; and, Super-Rapid Processes from higher excited singlet states of Tryptophan - the violation of the Vaviliov Low. It also includes information on: Biosensor Approach to assessment of efficiency of mediators for their application in Microbial Biofuel Cells; The Quantum-Mechanical Model Superficial Atomic Hydrogenation Single-Wall Carbon Nanotube; Hybrid Silica-Zirconia Films loaded with Titania Nanoparticles and Titania-Based Nanocontiners: Novel Materials for thin-film Photocatalysts and Photocontrollable coatings; Power characteristics of Microbial Fuel Cell based on Gluconobacter Cell Suspension and 2,6-Dichlorophenolindophenol as Electron Transport Mediator; Photodestruction of Chlorophyll in Non-Biological Systems; The Current-Voltage Characteristic of Carbon Nanotubes in

Reviews

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