



Journal of Nanotechnology

Special Issue on
**Organic and Nanostructure Materials for Energy
Conversion and Storage**

CALL FOR PAPERS

In recent years, organic and nanoparticle hybrid materials have attracted much interest owing to their unique optical, magnetic, electrical, and other properties. Much effort has been focused on the fabrication of nanomaterials and their corresponding applications, including dye sensitized solar cell, organic solar cells, and lithium-ion battery.

This special issue offers an active academic communication platform for the interdisciplinary community of chemists, physicists, biologists, and engineers focusing on newly discovered organic and nanostructure hybrid materials and interfacial processes development and their uses for energy conversion and storage applications.

Papers related to the investigation of energy conversion and storage technologies using organic and nanoparticle hybrid materials are strongly welcomed, covering researches on materials, systems, devices, processes, operation, performance, and so forth. We encourage and invite the authors to submit original research articles as well as review articles.

Potential topics include, but are not limited to:

- ▶ Dye sensitized solar cells
- ▶ Solid state dye sensitized solar cells
- ▶ Hybrid solar cells
- ▶ Hybrid bulk heterojunction solar cells
- ▶ Quantum dot solar cells
- ▶ Quantum dot materials for solar energy conversion
- ▶ Organic materials for solar energy conversion
- ▶ Photocatalysis and photodegradation using nanostructured materials and quantum dots
- ▶ Li-ion battery applications using organic and nanostructured hybrid materials
- ▶ Fullerene and graphene materials
- ▶ Organic thin films
- ▶ OPV materials and systems
- ▶ Advances in deposition techniques and characterization
- ▶ Large scale coating and industry

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