Special Issue

Functional Materials for Energy Conversion and Storage (Second Volume)

Message from the Guest Editor

The world's ever-growing demand for energy, as well as environmental concerns arising from traditional fossil fuel sources, have inspired intensive research to develop clean and sustainable energy sources, as well as saving and utilizing energy as efficiently as possible. The science of functional materials, where physics meets chemistry, has attracted a great deal of attention because of its versatile techniques to achieve these goals. This issue will focus on functional materials with specific electrical, thermal, magnetic, chemical, or electrochemical properties as a foundation for designing and fabricating new, desired materials enabling high-performance energy storage and conversion devices.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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