Special Issue

Soft and Nanostructured Materials for Energy Conversion and Sensing: Volume II

Message from the Guest Editor

The Special Issue “Soft and Nanostructured Materials for Energy Conversion: Volume II” will address advances in both experimental and theoretical aspects of the synthesis, processing, fabrication, characterization, and properties of soft and nanostructured nanomaterials for possible application in energy conversion. Soft materials are a particular category of flexible bulk matter that shows rich dynamics and self-assembly behavior. Many examples of soft materials can be found in polymers, liquid crystals, gels, self-assemblies, membranes, thin films, composites, biomaterials etc. In the last several decades, several novel methods to synthesize nanostructured materials for energy application such as nanoparticles, quantum dots, nanotubes, nanofilm, and nanowires have been developed following the capability of nanostructuring to introduce in the matter novel functionalities due to the unique combination of the structure and the mode of bonding. The connections between soft materials and nanostructuring result in amazing possibilities for scientific research and future applications of these materials. [...]

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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