Special Issue

Recent Advances in Functionalized Nanomaterials for Energy Applications

Message from the Guest Editors

This Special Issue on the “Recent Advances in Functionalized Nanomaterials for Energy Applications” will focus on the design and development of advanced nanomaterials for Lithium ion batteries, post lithium batteries, secondary batteries, supercapacitors, hybrid capacitors, solar cells, photovoltaics, photocatalysis, hydrogen generation, electrocatalysis, gas storage systems, thermoelectrics, and heterogeneous catalysis, with great potential for use in future consumer products, ranging from modern electronics to electric grids and electric vehicles with arbitrarily shaped surfaces. This Special Issue is intended to present and discuss recent challenges and technological advancements in the production of functional nanomaterials and their applications in energy harvesting and energy storage devices for flexible applications. On this occasion, we would like to invite you to submit your original research paper or comprehensive review on advanced functional nanomaterials for energy and sustainability applications for inclusion in this high-profile Special Issue of *Materials*.

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Message from the Editor-in-Chief

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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