

Special Issue

Sustainable Energy Storage Materials

Message from the Guest Editor

This Special Issue invites contributions from all areas of sustainable energy storage, for example, in the form of electricity, fuel, or heat, in order to provide a platform for alternative approaches. Contributions about the theory, experiment, application, or characterization of sustainable energy storage materials are requested. In particular, sustainable energy storage materials made from waste, biomass, or low-value industrial side products, or processes under benign conditions without toxic, dangerous, or demanding reaction conditions should be presented. Interesting materials may include active and passive components for electrochemical energy storage devices like batteries or supercapacitors (electrodes, electrolytes, post lithium-ion technologies, etc.), with focus on the sustainability of the materials. Additionally, for example, thermoelectric materials or benign catalyst materials for fuel cells, biomass valorization, or biofuel synthesis (hydrogen storage materials, catalysts made from renewable feedstocks, etc.), and so on, may be presented.

Guest Editor

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Deadline for manuscript submissions

closed (29 February 2020)



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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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