Special Issue

Applications, Optimization, and Comprehensive Characterization of Hydrogen Storage Materials

Message from the Guest Editor

Hydrogen storage materials have long been a matter of interest toward the application of hydrogen as an energy vector. In particular, the compact size of hydrogen stores based on hydrides and the low pressures involved in this type of storage are an attractive selling point, especially regarding safety and in regions subject to stringent regulations regarding pressure vessels, such as Japan. The field of hydrogen storage materials is a very diverse one, and therefore, many different types of materials can be considered for application in a variety of cases—solid (as in hydrides), liquid (such as LOHCs), and gaseous (for instance, NH3). I am writing to invite you to participate in a Special Issue of the journal *Materials* on "Applications, Optimization, and Comprehensive Characterization of Hydrogen Storage Materials". This title has been selected to include both application- and characterization-oriented studies, since they complement each other. Full papers, communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

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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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