Special Issue

Hydrogen Storage Properties of Materials

Message from the Guest Editor

The last few years have seen a resurgence of hydrogen as an energy carrier, especially for mobile applications such as cars, trucks, and trains. Hydrogen storage is a key component in all of these applications, but the requirements in terms of the pressure and temperature of operation, as well as cost, may be quite different. Storing hydrogen solid materials has many advantages over the conventional means of storage of high-pressure and liquid. The main ones being the high volumetric density at a near-ambient temperature, high purity of the released hydrogen, low cost, and inherent safety. The goal of this Special Issue is to assemble original researches or review articles on the materials for hydrogen storage.

Guest Editor

Prof. Dr. Jacques Huot

Département of Chemistry, Biochemistry, and Physics, Université du Québec à Trois-Rivières, Trois-Rivières, QC, Canada

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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