Special Issue

Fundamental and Applied Hydrogen Storage Materials Development

Message from the Guest Editors

During the last decades hydrogen has gained importance as an energy carrier. Hydrogen storage is a crucial step for providing supply of hydrogen fuel to an end user, both for transportation and energy storage for stationary applications. Without effective storage systems, a hydrogen economy will be difficult to achieve. Hydrogen storage in solid materials constitutes alternatives which possess the potential to surpass the storage densities of compressed hydrogen. In particular the high volumetric density, storage at near-ambient conditions and significantly improved safety, are important driving forces for further strong research activities on hydrogen storage in solid compounds.

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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.

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