Special Issue

Hydrides and Hydride Systems for Energy–Hydrogen Storage and CO_2 Conversion

Message from the Guest Editor

This Special Issue aims to cover novel research works in the field of hydrogen and energy storage through hydride and hydride systems, as well as the application of hydride compounds for CO2 reduction and conversion. We invite submissions from authors who further develop hydride systems for the above-mentioned applications, including different aspects of the research work such as synthesis, characterization, evaluation of hydride materials and systems, as well as theoretical studies or their combination thereof.

- Hydrogen Storage
- Energy Storage
- Interstitial Hydrides
- Binary Hydrides
- Complex Hydrides
- Reactive Hydride Systems
- CO2 Conversion
- CO2 Reduction
- Thermodynamics
- Kinetics
- Numerical Modeling
- Synthesis
- Characterization
- Synchrotron Techniques
- Nanotechnology

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Deadline for manuscript submissions

closed (28 February 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 8.3

mdpi.com/si/54837

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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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