Special Issue

Advances in Hydrogen Production and Hydrogen Storage

Message from the Guest Editor

Hydrogen is an energy carrier and a clean fuel that, when fed into a fuel cell, can power vehicles and trucks without releasing harmful emissions. Hydrogen energy, as clean energy, will play a more important role in the field of new energy vehicles in the context of achieving the goal of carbon peak and carbon neutralization. In addition, liquid hydrogen can be used not only as the propulsion fuel of cryogenic launch vehicles, but also a way to transport hydrogen energy over a long distance. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modelling, systems, experiment, application of all types of hydrogen production, hydrogen storage, hydrogen liquefaction, and liquid hydrogen storage. Topics of interest for publication include, but are not limited to, the following:

- Hydrogen production;
- Hydrogen storage;
- Hydrogen applications;
- Hydrogen transport and distribution;
- Hydrogen safety;
- Hydrogen liquefaction;
- Liquid hydrogen storage and transfer.

Guest Editor

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Message from the Editor-in-Chief

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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