Topical Collection

Current State and New Trends in Green Hydrogen Energy

Message from the Collection Editors

Green hydrogen is one of the most promising energy suppliers to outcompete conventional energy production based on fossil sources, decreasing greenhouse gas emissions and supporting a circular economy. Typical processes and technologies for hydrogen production, transportation and storage result in CO2 emissions and environmental impact. Green hydrogen produced with renewable fuel sources can contribute to the green energy transition. This Special Issue will collect feature papers aimed at critically reviewing the current state and discussing the prospects of carbon-neutral technologies for hydrogen production and use. Topics of interest for publication include, but are not limited to, the following:

- Green hydrogen production;
- Green hydrogen separation and purification;
- Green hydrogen transportation;
- Green hydrogen storage;
- Green hydrogen conversion and utilization;
- Green hydrogen economy and environmental impact.

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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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