

# Topical Collection

## Hydrogen Energy Reviews

### Message from the Collection Editor

This Topical Collection is dedicated to provide comprehensive review related to hydrogen adoption in our energy system, including a broad range of production, storage, transportation, and utilization of hydrogen.

- Energy modeling and system;
- Integration of hydrogen with other energy sources;
- Hydrogen production system;
- Hydrogen storage system;
- Transportation system;
- Hydrogen utilization system;
- Hydrogen combustion;
- Conversion processes;
- Process design and optimization;
- Ammonia and its production and utilization;
- Liquefaction and regasification;
- Hydrogenation and dehydrogenation;
- Hydrogen-based power generation;
- Catalysts for hydrogen production, storage, and utilization;
- Fuel cell;
- Economic analysis;
- Environmental assessments;
- Advanced materials, nano-technology and nano-materials;
- Energy and exergy analysis.

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### Collection Editor

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## About the Journal

### 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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