# Special Issue

# Catalytic Hydrogen Production and Hydrogen Energy Utilization

## Message from the Guest Editor

This is an invitation for submissions to a Special Issue of *Energies* on the subject area of "Catalytic Hydrogen Production and Hydrogen Energy Utilization". This SI aims to explore advanced techniques and strategies for hydrogen production, storage, and utilization. Topics of interest for publication include, but are not limited to, the following:

- Catalytic hydrolysis for hydrogen production;
- Catalytic pyrolysis and thermochemical hydrogen production;
- Electrolytic hydrogen production;
- Hydrogen storage technologies (chemical and physical methods);
- Hydrogen combustion systems and technologies;
- Fuel cell technologies for hydrogen energy conversion;
- Novel materials and catalysts for hydrogen production and storage;
- Hydrogen utilization in industrial processes and transportation;
- Life-cycle assessment and economic analysis of hydrogen systems;
- Integration of hydrogen with renewable energy systems;
- AI and IoT applications in hydrogen energy systems;
- Safety and environmental aspects of hydrogen energy systems.

## Guest Editor

Prof. Dr. Yuzhong Li

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## Deadline for manuscript submissions

closed (5 December 2025)

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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.

## Editor-in-Chief

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