

## Special Issue

# New Trends and Research in Fuel Cells and Energy Conversion/Storage

### Message from the Guest Editors

This Special Issue focuses on innovative developments in the fields of fuel cells and clean energy conversion/storage technologies. Potential topics include, but are not limited to:

- Water electrolysis;
- Oxygen reduction reaction;
- Transport phenomena;
- Thermoelectric generators;
- Two-phase flow;
- Advances in membranes;
- Advances in catalysts;
- Efficiency improvement;
- Operation strategies;
- Fuel cells;
- Lithium batteries;
- Catalytic theory;
- The integration of renewable energy systems;
- Breakthroughs in lithium-ion, solid-state, and flow batteries;
- Hybrid storage systems;
- Supercapacitor technology;
- Hydrogen production, storage, and infrastructure;
- Lifecycle analysis of fuel cell and storage technologies;
- Environmental impact assessment;

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### Guest Editors

Dr. Jiatang Wang

Prof. Dr. Houcheng Zhang

Dr. Weiwei Cai

Dr. Jian Zhang

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### Deadline for manuscript submissions

closed (20 December 2024)



## Energies

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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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### Editor-in-Chief

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