

Special Issue

Advances in Electrochemical Energy Storage and Conversion

Message from the Guest Editor

This Special Issue invites high-quality research articles both in experimental and theoretical studies toward electrochemical energy storage and conversion technologies. Reviews and perspectives to share and discuss the latest developments and future trends in this promising field are also welcome. Potential topics include but are not limited to the following:

- Batteries, supercapacitors, and fuel cells;
- Water splitting;
- Electrochemical CO₂ reduction;
- Electrochemical synthesis of high value-added chemicals;
- Advanced nanomaterials for energy applications;
- In situ/operando techniques for understanding energy storage and conversion processes;
- Theoretical studies and computational modeling of catalytic mechanisms;
- Machine learning for energy storage and conversion.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2023)



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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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