

Special Issue

Development of New Energy Materials/Devices and Their Safety

Message from the Guest Editors

As the energy structure of the world transitions from fossil fuels to renewable energy, new energy and its devices such as lithium-ion cells, hydrogen energy, and supercapacitors are playing a significant role in areas of production and daily living. To achieve more competitive performances, new energy materials and devices with more advanced features are being continuously researched and proposed. Further, new energy and its devices' safety also deserve more attention considering the frequent occurrence of new energy-related safety accidents. Only new energy and its devices with both competitive electrochemical and safety performances can be approved by the market and better serve the community. Topics of interest for publication include, but are not limited to:

- Recent advances in new energy materials and devices.
- The application of new energy and its devices.
- New energy and its devices' safety.
- The inherent safety of new energy materials.
- The thermal management of new energy systems.
- The hazard signaling of new energy and its devices.
- Countermeasures for new energy and its devices' disaster.

Guest Editors

Dr. Dongxu Ouyang

Dr. Yi Zhang

Dr. Xuxu Sun

Deadline for manuscript submissions

closed (19 November 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 8.3



mdpi.com/si/140494

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 8.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



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

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)