

Special Issue

Research on Improvement and Application of Energy Materials Based on Advanced Polymer Materials

Message from the Guest Editor

Advanced polymer materials, with their unique properties and versatility, have extremely wide applications in energy material fields such as secondary batteries, supercapacitors, fuel cells, photovoltaics, phase change energy storage materials, etc., playing a crucial role in promoting the development of the energy industry across multiple dimensions such as improving storage and conversion efficiency, driving technological advancements, and fostering sustainable development. Undoubtedly, with continuous technological advancements and innovations, advanced polymeric materials will play an even more critical role in the energy industry, making greater contributions to the construction of a clean, low-carbon, and efficient energy system. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, synthesis, modelling, and modification of all types of advanced polymer materials applied in the field of energy materials.

Guest Editor

Dr. Dongdong Li

College of Chemistry and Chemical Engineering, Guangxi University, Nanning, China

Deadline for manuscript submissions

closed (31 July 2025)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/216118

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 3.2
CiteScore 7.3



[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)