Topical Collection

Advanced Energy Materials and Research

Message from the Collection Editors

We are inviting submissions to a Special Issue of *Energies* on “Advanced Energy Materials and Research”. The increasing energy demand and consumption due to growing global population and the critical relationship between energy, environment, and sustainability lead to novel discoveries and advancements in the field of energy materials in search of alternative resources as well as recycling and reuse of energy materials. The transformation of conventional fossil fuel to renewable and sustainable energy sources due to the geophysical and social stress results in the development of advanced energy materials to support emerging technologies. The emerging materials for energy associated application include but are not limited to photovoltaic, batteries, fuel cells, nanostructured materials, and light sources. In this Special Issue of *Energies*, original research articles or reviews on topics related to advanced energy materials and their characterization are welcome.

- solar energy
- fuel cell
- batteries
- electrolytes
- nanomaterials
- polymers
- semiconductor
- graphene
- biomaterials
- recycling and reuse of energy materials

Collection Editors

Dr. Prodip K. Das

Prof. Dr. Nigel D. Browning

Prof. Dr. Sara Walker

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/57622

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

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)

MDPI