Special Issue

Battery Energy Materials: Theory Development and Applications

Message from the Guest Editor

Theoretical investigations, in tandem with laboratory-based experimental work, have been steadily providing significant insights into the improvement in energy storage technologies. Thus, this Special Issue of the journal *Energies*, entitled Battery Energy Materials: Theory Development and Applications, aims to publish papers based on original theoretical investigations in the field of battery applications. We invite research works focusing on the (1) investigation of various phenomena of battery materials, such as phase stability and ionic transport; (2) design of new materials and the development of materials informatics; (3) understanding of surface and interface activities in batteries; and (4) development and application of advanced theoretical techniques, for publication in this Special Issue

Guest Editor

Dr. Hena Das

Laboratory for Materials and Structures, WRHI, Institute of Innovative Research, Institute of Science Tokyo, 4259 Nagatsuta, Midori-ku, Yokohama 226-8503, Japan

Deadline for manuscript submissions

closed (31 March 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/78109

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