Special Issue

Battery Technologies for Electric Vehicles from Materials to Management

Message from the Guest Editor

This Special Issue is dedicated to reporting advances in battery materials, battery manufacturing technologies, battery management, battery reuse, and battery recycling technologies that contribute to the safety, performance, reliability, and cost reduction in rechargeable Li-ion battery systems. Topics of interest include but are not limited to:

- Equivalent circuit model approaches to battery management systems;
- Battery system identification approaches;
- Approaches to battery state of charge and state of health modeling;
- Battery thermal management;
- Novel battery charging solutions;
- Cell balancing strategies;
- Challenges faced in battery reuse applications;
- Challenges in Li-ion battery recycling;
- Performance analysis of battery management system algorithms.

Guest Editor

Dr. Balakumar Balasingam

Department of Electrical & Computer Engineering, University of Windsor, 401 Sunset Avenue, Windsor, ON N9B 3P4, Canada

Deadline for manuscript submissions

closed (30 March 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/137024

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