



an Open Access Journal by MDPI

Impact Factor 4.6

CiteScore 4.0

Batteries

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



Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

Editor-in-Chief

Prof. Dr. Karim Zaghib

Section Editors-in-Chief

Prof. Dr. Pascal Venet

Prof. Dr. Hongwen He

Prof. Dr. Seung-Wan Song

Aims

Batteries (ISSN 2313-0105) is an international, open access journal of battery technology and materials. It aims to provide a central vehicle for the exchange and dissemination of new ideas, technology and material developments, and research results in the field of battery technology between scientists and engineers throughout the world. The emphasis is placed on original research, both analytical and experimental, covering all aspects of primary and secondary batteries, including chemical batteries and thermal batteries, etc.

Scope

This journal covers all topics related to batteries and electrical energy storage systems.

All electrochemical systems, such as lithium-ion, lead-acid, nickel metal hydride, metal-air, and next-generation batteries or supercapacitors, are of interest. Papers can be related to applications, for example, portable, electric vehicles, stationary or photovoltaic, or they can be independent of an application.

Topics of interest include, but are not limited to, the following:

- fundamental electrochemistry aspects
- active and passive materials and components
- in situ and ex situ material analysis
- cell design, module, and pack technology
- processing and manufacturing
- battery applications
- modeling and control
- battery performance and testing
- charging technologies
- battery management system, monitoring, diagnostics, and prognosis
- thermal management
- hybrid battery systems
- safety and reliability
- mechanisms and modes of ageing, lifetime
- costs and market

Author Benefits

Open Access

Unlimited and free access for readers

No Copyright Constraints

Retain copyright of your work and free use of your article

Thorough Peer-Review

2023 Impact Factor 4.6

(*Journal Citation Reports* - Clarivate, 2024)

No Space Constraints, No Extra Space or Color Charges

No restriction on the maximum length of the papers, number of figures, or use of colors

Journal Rank

JCR - Q2 (Electrochemistry) / CiteScore - Q2 (Electrical and Electronic Engineering)

Coverage by Leading Indexing Services

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

Rapid Publication

A first decision is provided to authors approximately 22 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2024)

MDPI is a member of

CASPA



STM¹



SPARC*
Europe



DOAJ



ORCID

Affiliated Society:

International Society for Porous Media (InterPore)



Editorial Office

batteries@mdpi.com

MDPI

Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34

mdpi.com

July 2024

