Special Issue

Designing High-Energy Lithium-Sulfur Batteries

Message from the Guest Editor

In this Special Issue, we welcome contributions that help to understand the degradation mechanism, the behavior of sulfur complexes during cycles, and novel solutions to extend the cycle performance with a high energy density. Topics of interest include, but are not limited to, the following:

- Degradation mechanism
- Transition of sulfur complexes
- Advanced cathode materials
- High mass loading structured electrodes
- New electrolyte compositions
- Protective coating layers
- Li metal anode modification
- Novel separator design

Guest Editor

Dr. Mingqian Li
Department of NanoEngineering, University of California San Diego, La Jolla, CA 92093, USA

Deadline for manuscript submissions

closed (29 November 2024)

Batteries

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 6.6

mdpi.com/si/182073

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

mdpi.com/journal/batteries

Batteries

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 6.6

mdpi.com/journal/batteries

MDPI

About the Journal

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
Department of Chemical and Materials Engineering, Concordia University, Montréal, QC H3G 1M8, Canada

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), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Electrochemistry) / CiteScore - Q1 (Electrical and Electronic Engineering)