Special Issue

Design and Processing for High Performance Li-Ion Battery Electrodes

Message from the Guest Editor

I warmly invite you to publish original research or review papers in this Special Issue. The potential topics of this Special Issue include, but are not limited to:

- Material synthesis approaches for high-performance Li-ion battery electrodes at laboratory scales and upscaling to assess commercial viability using large-scale methods (solvo/hydrothermal processes and co-precipitation in CSTR reactors).
- The characterization and study of crystal structures and phase transitions for high-performance cathode materials.
- Cobalt-free cathode materials development for future automotive applications.
- Li-rich NMC and high-voltage materials.
- Battery electrodes with low-tortuosity porosity and high capacity.

Guest Editor

Dr. Rachid Essehli

Electrification and Energy Infrastructures Division, Oak Ridge National Laboratory, Oak Ridge, TN 37831, USA

Deadline for manuscript submissions

closed (30 November 2023)

Batteries

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 6.6

mdpi.com/si/173615

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)