Special Issue

Rechargeable Multivalent Metal-Ion Batteries

Message from the Guest Editors

Growing demands on energy storage devices have inspired tremendous research efforts centered around rechargeable multivalent metal-ion batteries (MMIBs), due to the high abundance of desired elements, such as zinc, magnesium, calcium, and aluminum in the crust, as well as the rejection of storage-performance dilemma-restricting lithium-ion batteries. However, the complexity of MMIBs has led to rampant confusions, technical challenges, and uncertainties at present, which require more innovative research in terms of materials, electrolytes, cell design, various-scale tests, battery management systems, safety, suitability, and recycling. Therefore, this Special Issue will explore the current challenges and future directions to build better MMIBs.

Guest Editors

Dr. Zhongxue Chen

Dr. Min Zhou

Dr. Xiangjun Pu

Deadline for manuscript submissions

closed (10 January 2024)

Batteries

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 6.6

mdpi.com/si/143762

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)