Special Issue

Advanced Cathode and Anode Materials for Lithium/Sodium-Ion Batteries

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the latest advances in rechargeable batteries (limited to lithium/sodium-ion batteries) and will cover the challenges and solutions across major aspects of battery research, with a focus on the following topics: High-performance cathodes and anodes for rechargeable batteries
High-voltage cathodes for Li/Na-ion batteries (special focus)
Silicon and Li metal anodes for Li-ion batteries (special focus)
Carbon-based anodes for Na-ion batteries
The development of low-cost electrode materials
Co-free electrode materials
Synchrotron techniques for rechargeable batteries
Advanced electrolytes
Electrolyte additives
All-solid-state batteries
Composite solid electrolytes
Novel binders for rechargeable batteries
We welcome contributions from researchers and experts working in the field of rechargeable lithium/sodium-ion batteries, and encourage submissions on advanced cathodes/anodes for lithium/sodium-ion batteries addressing the limitation of current cathodes/anodes; and breakthroughs in battery research.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2023)

Batteries

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Impact Factor 4.8
CiteScore 6.6

mdpi.com/si/149715

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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

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