Special Issue

Advanced Electrode Materials for High-Performance Sodium-Ion Batteries—2nd Edition

Message from the Guest Editors

With the growing interest from both academic and industrial battery communities, we believe more inspiring work will emerge to facilitate the commercialization of sodium-ion batteries with a low cost and long life span for large-scale energy storage applications in the future. Despite recent advances in sodium-ion battery technology, discoveries and further improvements are still required. In this Special Issue, we are looking for contributions about advanced electrode materials and electrolytes for sodium-ion batteries. Topics of interest include, but are not limited to: high-energy electrode materials, advanced electrolytes and salts, aqueous sodium-ion batteries, battery design and commercialization, battery failure mechanisms, electrochemical performance enhancement, mechanism study, interfaces and interphases study, binders, sodium anodes, and computational methods. We also encourage the submission of reviews and perspectives on the development of sodium-ion batteries.

Guest Editors

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Prof. Dr. Mingzhe Chen
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Deadline for manuscript submissions

closed (25 November 2025)

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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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