Special Issue

Solid State Batteries: From Materials Research to Design and Applications

Message from the Guest Editors

Solid-state batteries (SIB) with solid electrolytes are considered to be the new generation of devices for energy storage and electric vehicle applications. Is it possible to boost the performance and reduce the cost of solid-state batteries through the rational design of materials, developing key technologies for improving interfacial properties as well as the innovation of manufacturing processes? This Special Issue will cover the key topics in various solid-state batteries. Topics of interest include, but are not limited to:

- Electrode materials for novel solid-state batteries, including positive and negative electrodes;
- Solid electrolytes;
- Interfacial optimization;
- Cell design;
- Electrochemical test method;
- Cell failure analysis;
- Performance lifetime and degradation studies.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)

Batteries

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 6.6

mdpi.com/si/139786

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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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