Special Issue

Materials for Next-Generation Lithium-Ion Batteries

Message from the Guest Editor

Lithium-ion batteries have been proven to be efficient and high-energy-density electrochemical energy storage devices, and have been fully commercialized. However, existing battery systems cannot fully meet the requirements of electric vehicles, electrochemical energy storage and other fields in terms of energy density, safety, magnification performance, etc. Thus, it is imperative to develop next-generation lithium-based batteries. The purpose of this Special Issue is to draw attention to the latest progress in the field of next-generation lithium-based batteries, also integrating research progress in related fields. Topics of interest for publication include, but are not limited to:

- Cathode materials;
- Anode materials;
- Separators;
- Solid-state electrolytes;
- Electrolytes and additives;
- Materials related to battery thermal management.

Guest Editor

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Deadline for manuscript submissions

closed (25 March 2024)

Batteries

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 6.6

mdpi.com/si/145427

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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.

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