Special Issue

High-Performance Materials for Sodium-Ion Batteries

Message from the Guest Editor

Sodium-ion batteries (NIBs) are an attractive alternative due to the abundance of their components in the earth and the low cost of sodium. Therefore, this Special Issue is designed to focus on updating the field of energy storage with the latest advances and prospects regarding various aspects of NIBs. Researchers are invited to submit their original research and review/perspective articles for publication in this Special Issue. Topics of interest include, but are not limited to, the following:

- Various types of NIBs: metal oxides, polyanionic compounds, Prussian blue (PB), organic cathodes, Na-S, Na-O2;
- Design strategies of electrodes, electrolytes, and separators for NIBs;
- Solid electrolyte interphase (SEI);
- Cathode/electrolyte interphase (CEI);
- NIBs for low/high-temperature conditions;
- Battery life and safety;
- Flexible NIBs;
- Solid-state NIBs;
- NIBs for electric vehicles.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2024)

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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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