Special Issue

Sodium-Ion Battery: Latest Advances and Prospects

Message from the Guest Editors

This Special Issue on sodium-ion batteries is focused on new sodium-ion battery technologies. Can we boost the performance and cost properties of a sodium-ion battery by pushing the boundaries of the materials, manufacturing processes, and device manufacture? In order to establish sodium ion as a credible technology, it must be either a suitable alternative to current lithium ion technologies or have a market of its own. Can sodium ion provide technology which is suitable for new applications? This edition discusses the suitability of sodium ion batteries for applications and pushes the current performance limits of device performance. Potential topics include but are not limited to:

- Novel sodium-ion materials, positive, negative, and electrolytes;
- Electrode design;
- Electrochemical test method;
- NIB cell design;
- Safety failure analysis;
- Performance lifetime and degradation studies.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2022)

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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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