Special Issue

Emerging Technologies for Secondary Batteries

Message from the Guest Editors

This Special Issue is focused on emerging technologies for secondary batteries. In order to expand the application market, better performance and a lower price for lithium-ion batteries are required. Electrode materials with higher capacity and good stability; solid-state batteries; theoretical simulations; and battery recovery would help to achieve higher energy density, better safety, and a lower price. This issue discusses the future development of lithium-ion batteries, including high-energy-density lithium-ion batteries and their safety and battery performance, process, battery recovery technology, and other types of secondary batteries to reduce the cost and new techniques/characterizations to boost the development of lithium-ion batteries. Potential topics include but are not limited to:

- Novel battery materials, cathodes, anodes, separators, and electrolytes
- Theoretical simulations
- Solid-state batteries
- Battery recovery
- Battery/Electrode design
- In situ/operando characterizations
- Safety performance studies and improvement strategies
- Battery failure studies

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Deadline for manuscript submissions

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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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