Special Issue

Recent Advances in the Thermal Safety of Lithium-Ion Batteries

Message from the Guest Editors

In recent years, the rapid advancement and integration of lithium-ion batteries (LIBs) into various technological applications have revolutionized our modern world. From powering electric vehicles to storing renewable energy, LIBs have become indispensable components of our daily lives. However, alongside their remarkable performance and versatility, these batteries present significant challenges, particularly concerning their thermal safety. The Special Issue on "Recent Advances in the Thermal Safety of Lithium-Ion Batteries" underscores the critical need to address and mitigate the thermal risks associated with LIBs. We invite manuscripts within the realm of, but not limited to, the following:

- Predicting the onset and causes of overheating in lithium-ion batteries.
- Experimenting with novel materials to enhance battery safety and stability under high temperatures.
- Devising innovative techniques for heat management in large battery assemblies, such as those found in electric vehicles.
- Enhancing battery safety through improved design and manufacturing methodologies.

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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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