Special Issue

Solid-State Batteries: Current Processes and Future Challenges

Message from the Guest Editor

This Special Issue discusses the suitability of solid-state batteries for applications and pushes the current limits of device performance. Knowing how to design durable solid state electrolytes with superior ionic conductive under wide temperatures, excellent electrochemical stability, and thermal stability is important, as is developing practical devices (i.e., pouch cell or flexible devices). Potential topics include, but are not limited to, the following:

- Polymer electrolytes
- Inorganic electrolytes
- Composite electrolytes
- Solid-state batteries
- In situ polymerization
- Wide temperatures
- Lithium metal batteries
- ionic transport mechanism
- Batteries failure analysis
- Pouch cells
- Flexible devices
- Dendrite lithium

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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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