Special Issue

Advanced Materials for Rechargeable Lithium Batteries II

Message from the Guest Editor

This Special Issue aims to provide and share recent research and development on advanced materials for rechargeable lithium batteries, which include current lithium–ion batteries as well as next-generation lithium batteries. Studies on interfacial phenomena, battery safety, cell modeling, and simulation are also welcomed. The contributions in this Special Issue will be of great interest to researchers working in the field of energy conversion and storage and will provide a cornerstone for the continuous development of relevant technologies and specialized technological reinforcement. We welcome diverse contributions from material scientists and engineers from universities, research institutes, and industries in these fields.

- Lithium–ion battery
- Lithium–sulfur battery
- Lithium–air battery
- All-solid-state lithium battery
- Lithium–ion capacitor
- Battery materials (anode, cathode, electrolyte, separator)
- Interfacial phenomena
- Battery design, modeling, simulation, and safety

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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