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Future of Advanced Lithium Batteries: Materials, Performances and Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editor

The aim of this Special Issue is to gather research presenting recent advances and trends in the field of advanced lithium batteries (including various lithium-based batteries, such as lithium-ion/metal batteries and lithium–sulfur/oxygen batteries), determine the correlation between materials and performance, and promote the applications of new lithium-based battery systems.

The topics of interest include but are not limited to the following:

1. Development of new materials (electrodes/electrolytes) for advanced lithium batteries.
2. New strategies for advanced lithium batteries with high energy and power densities.
3. Interfacial electrochemistry for electrodes/electrolytes in advanced lithium batteries.
4. Critical engineering issues in the practical application of advanced lithium batteries.
5. Advanced characterization of the electrochemical process in advanced lithium batteries.
6. Safety issues related to advanced lithium batteries.

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Message from the Editor-in-Chief

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