



Emerging Technologies and Electrode Materials for Metal Batteries

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In today's world, humanity is facing the critical issues of the increasing depletion of fossil energy sources and the growing demand for sustainable energy sources, thus driving research into low-cost, environmentally friendly and high-performance energy conversion and storage systems. The form of energy development determines the future survival of human beings. The development of rechargeable batteries is a powerful measure to implement the strategy of "carbon peak, carbon neutral".

This Special Issue focuses on current developments in rechargeable batteries, such as non-aqueous batteries, aqueous batteries, solid-state batteries, monovalent-ion batteries, and multivalent-ion batteries.

Potential topics include, but are not limited to:

- electrode and electrolyte materials;
- electrode/electrolyte interfaces;
- characterization techniques and electrochemical measurements;
- battery configuration design;
- battery recycling technologies;
- pre-metallization/in situ polymerization strategies.





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Message from the Editor-in-Chief

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