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Special Issue Reprint

# Electrode Materials for Rechargeable Lithium Batteries

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This reprint, which is titled “Electrode Materials for Rechargeable Lithium Batteries”, focuses on various novel high-performance anode and cathode materials used to develop rechargeable lithium batteries. This reprint’s overall focus will range from material design and fabrication technology to scientific understanding and potential/engineering applications.

Electrode materials used in advanced lithium-ion batteries, lithium metal batteries, lithium sulfur batteries, and lithium oxygen/air batteries are of particular interest. Special attention is given to the fabrication and synthesis of electrode materials, lithium dendrite growth and inhibition, polysulfide transformation, novel electrode structure design, electrode material failure, lithium storage mechanisms, electrochemical performance optimization, safety assessment and evaluation, advanced characterization techniques, multi-scale computational modeling, etc.

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