Special Issue

Recycling and Electrode Materials of Lithium Batteries

Message from the Guest Editor

This Special Issue will explore advancements in the recycling of electrode materials from lithium batteries, addressing challenges and presenting innovative solutions. It seeks to gather contributions that elucidate various aspects of material recovery, recycling processes, and the environmental and economic impacts of these technologies. With the proliferation of lithium batteries, the efficient recycling of their electrode materials is imperative for sustainability. We aim to advance knowledge of and technologies involved in the recycling of lithium battery electrode materials to mitigate environmental impacts and promote resource efficiency. We invite submissions that explore innovative recycling technologies, strategies to enhance material recovery rates, environmental assessments, economic analyses, and policy implications related to the field of lithium battery recycling. Researchers and practitioners are encouraged to contribute their insights to foster a deeper understanding of this critical area and advance sustainable practices with regard to battery technology.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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