Special Issue

Preparation, Characterization and Mechanism of Electrode Materials

Message from the Guest Editor

Electrode materials are one of the most important parts for batteries and other devices. This Special Issue aims at publishing preparation, characterization and mechanisms of electrode materials of environmental science, renewable energy, solar energy, fuel cells, batteries, hydrogen energy, energy harvesting devices, bioenergy, biofuels, electrocatalysis, photocatalysis, and others, especially focused on the structure–activity relationship between the interfacial phase structure, internal composition distribution, atomic space occupation/dislocation/vacancy of the electrode materials and the electrical properties. It serves as a high-quality platform for researchers working in a wide variety of scientific areas to communicate their findings and critical opinions as well as bring the communities of advanced material and energy together to contribute to this field, accelerating the transformation of energy structures to clean and low carbon, and promoting green technology innovation and carbon neutralization.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editorial Board

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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