Special Issue

Advanced Battery Materials-2021

Message from the Guest Editor

Ever-increasing environmental problems and energy challenges have created urgent demand for utilizing green, efficient, and sustainable energy, thus promoting the development of advanced energy storage technologies. Among the various energy storage devices. Li/Na/K/Zn/Mq-ion and metal-air batteries have evoked a plethora of research owing to their attractive features, including high energy density, long life cycle, and good rate capability. The development of advanced battery systems relies heavily on advances in materials chemistry innovation. Understanding the controlled synthesis, reaction mechanisms, and structure-performance relationships of electrode materials is of great significance to boost battery research and has inspired this Special Issue. We cordially invite investigators to contribute original research articles or review articles that will stimulate further research activities in this area and improve our understanding of the key scientific and technological problems in advanced battery materials.

Guest Editor

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Deadline for manuscript submissions

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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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