Special Issue

New insights into Energy Storage Materials

Message from the Guest Editors

Bismuth-based nanomaterials are eco-friendly and of high biocompatibility, and they are easy to process in terms of both composition and structural regulations, including morphology structure and crystal structure. These aspects could significantly affect the performances of bismuth-based materials, endowing them with strong potential for application in numerous fields, especially energy storage and energy conversion, e.g., as electrode materials, modifiers, or additives in energy storage devices. This Special Issue will cover promising and novel research trends in the synthesis of bismuth-based materials, characterization via advanced technologies, and the exploration of their applications in energy storage and conversion. The topics of interest include but are not limited to the following:

- Synthesis and characterization of bismuth-based materials via novel and advanced techniques and methodologies;
- Exploration of bismuth-based materials as electrode materials for rechargeable aqueous and non-aqueous batteries;
- Exploration of bismuth-based materials as additives or modifiers for metal anodes (Li, Na, K and Zn metal anode);

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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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