Special Issue

Ferroelectric, Magnetic, and Multiferroic Materials and Applications

Message from the Guest Editors

Ferroelectric materials, including piezoelectric materials, electro-optical crystals, etc., are widely used in memory, converters, detectors, and so on. Magnetic materials use their various magnetic properties and special effects to make components or devices for storing, transmitting, and converting electromagnetic energy and information. Multiferroic materials can realize the mutual coupling of multiple physical fields such as force, electricity, and magnetism, and have important application prospects in the field of low-power magnetoelectric devices and storage. This issue aims to collect the most recent advances in ferroic ceramics and thin films, and their new applications in energy storage, sensing, information storage, and more. In this Special Issue, we would like to welcome all contributions from this broad field, including, but not limited to, the following topics:

- Ferroelectric, piezoelectric, and dielectric materials;
- Magnetism and magnetic materials;
- Multiferroic and magnetoelectric materials;
- Recent advances in ferroic ceramics and thin films technology and applications in energy storage and memory, etc.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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