

Special Issue

Preparation, Properties and Applications of Ferroelectric Materials

Message from the Guest Editors

Ferroelectric materials, characterized by electrically switchable polarization, can be broadly applied in elemental electronics in modern society. Recently, the materials library of ferroelectrics and associated applications have been expanded by virtue of advanced synthesis techniques and cutting-edge characterization tools. Such advancements in material fabrication and property characterization have not only brought new physics in ferroelectrics, but also found more applications in energy storage, catalysis, logic elements and post-Moore's law nanoelectronics.

Clearly, the future holds great promise for the utilization of ferroelectric materials in novel applications. This Special Issue aims to showcase the latest advancements in the fabrication, characterization and associated applications of ferroelectrics within various fields. We welcome contributions related to the synthesis and characterization of novel ferroelectrics, theoretical studies exploring new physics and functionalities, and nanoelectronic device developments based on ferroelectrics.

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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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