

Special Issue

Ferromagnetic and Ferroelectric Materials: Synthesis, Applications, and Techniques

Message from the Guest Editor

Ferroelectric materials are a central topic of the last few decades in condensed matter physics and material science. These systems are an attractive platform for developing devices with enriched functionality at their interfaces with other semiconductors or with materials featured by different ferroic order. They possess a variety of functional properties that make them appealing for a range of applications in the field of nonvolatile memories, sensors, piezoelectric devices, photovoltaic applications, catalysis, and photocatalysis. The aim of the Special Issue on “Compensation and Screening of Ferroelectricity in Perovskite Oxides” is to provide information on the latest understanding of physics at ferroelectric surfaces, in connection to the theoretical models of the screening and compensation in polar oxide heterostructures. The second purpose is to explore the relationship between screening and relevant aspects of ferroelectric functionalities. Full papers, communications, and reviews are all welcome

Guest Editor

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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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