Special Issue

Advances in Ferro/Piezoelectric and Multiferroic Materials

Message from the Guest Editors

Ferroic materials, including ferroelectric, ferroelastic, ferromagnetic, and multiferroic materials, have broad applications in modern electronic industries, due to their rich electrical, mechanical, magnetic, and magnetoelectric coupling, piezoelectric coupling, and piezomagnetic coupling properties. For example, ferroelectric and magnetic materials play a role in information storage, based on the switching of domains. Piezoelectric materials can be used as sensors/actuators/energy harvesters, based on their piezoelectric properties. Multiferroic materials can simultaneously exhibit ferroelectric and (anti-)ferromagnetic order. Benefitting from their unique magnetoelectric coupling effect, multiferroic materials demonstrate a wide range of application prospects in the fields of new magnetoelectric sensing and high-performance information storage. This Special Issue, entitled “Advances in Ferro/Piezoelectric and Multiferroic Materials,” aims to collect the most recent advances in ferroic materials and their novel applications in different fields of interest.

Guest Editors

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Deadline for manuscript submissions

closed (10 October 2023)

Materials

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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/165581

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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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