Special Issue

Advances in Ferroelectric and Piezoelectric Materials

Message from the Guest Editor

Piezoelectric and ferroelectric materials appear in many of our everyday electronic devices, new applications such as ferroelectric random-access memory, neuromorphic computing, high-temperature capacitors, energy harvesting, energy storage materials, biomaterials and photocatalysts are constantly being developed, as well as new categories of materials such as high-entropy ferroelectric and anti-ferroelectric relaxor materials. we welcome the latest research contributions on piezoelectric and ferroelectric materials, with suitable topics including novel compositions (e.g. high-entropy compositions, morphotropic phase boundaries, dopant addition), domain control (e.g. domain engineering, incipient ferroelectric materials, antiferroelectric materials, electrostrictive materials), microstructure control (e.g. single crystals, polycrystalline ceramics, nanoceramics, textured ceramics, thin/thick films), processing (e.g. sintering, multilayer processing, nanomaterials, 2D materials) and applications (e.g. catalysts, energy storage capacitors, computing, micro-/nano-positioning).

Guest Editor

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Deadline for manuscript submissions

31 January 2026

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/229486

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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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