

Special Issue

Ultra Thin Ferroic Materials

Message from the Guest Editor

Understanding and controlling electronic functionality at the nanoscale is one of the main current challenges in materials science. In particular, ferroelectric and magnetic materials are the key elements in a variety of electronics devices, from memories to sensors, of which miniaturization is actively pursued. However, due to their very nature and the long-range interactions involved, reducing the dimensions of ferroic materials below 50–100 nm not only poses important technical questions and highly interesting fundamental problems, but also generates novel and distinct functionalities. In this Special Issue, we want to bring forward some of the concepts, problems, and questions presently under discussion in the field of ultrathin ferroic films.

Guest Editor

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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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