

Special Issue

Synthesis and Applications of Ferroelectric Thin Films

Message from the Guest Editor

Recently, several promising developments in the use of ferroelectric thin films in new applications have been reported, covering different areas such as energy harvesting and storage, photocatalysis, photovoltaics, tunnel junctions, and memristors, among others. Therefore, interest in ferroelectric thin films is continuously on the rise, both from fundamental science and application-oriented research perspectives. However, discovering new ferroelectric materials and improving the performance of existing ferroelectric thin films in device applications remains crucial in the development of new functional materials, while finding innovative syntheses and improving existing ones, towards finding new technological solutions that impact the cost-efficiency relationship. To celebrate the 100th anniversary of the discovery of ferroelectricity, this Special Issue will provide a comprehensive overview and the most recent advances in topics related to the synthesis and applications of ferroelectric thin films.

Guest Editor

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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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