Special Issue

The Optical, Ferroelectric and Dielectric Properties of Thin Films

Message from the Guest Editors

We are pleased to announce a Special Issue entitled "The Optical, Ferroelectric and Dielectric Properties of Thin Films". The miniaturization of microelectronic devices is a challenge. Ferroelectric films are used in sensors, actuators, piezoelectric, and memories. At the nanometer scale, the aim of these films is to increase power and decrease leakage currents when thin films are polarized. In thin optical films where the propagation of light depends on the polarization of light and control over the thickness and morphology of the films, the latter limits our ability to adjust the films' optical response for the desired applications. Multiferroic thin films can possibly coexist with these properties in a single phase. Studies of multiferroics have led to the discovery of new materials and remarkable magnetoelectric phenomena. We are interested in the properties of thin films such as the following:

- Optics, Piezoelectricity, Ferroelectrics, Multiferroics, and Semiconductors;
- The interaction between waves and microstructure, functionality, and novel synthesis techniques.

We cordially invite you to submit your work for publication in this Special Issue.

Guest Editors

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Deadline for manuscript submissions

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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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