Special Issue

Functional Crystals and Thin Film Materials

Message from the Guest Editor

Functional materials, a kind of advanced and engineered material, have been designed and constructed with various characteristics. Because of their excellent properties, which include magnetism, electrical and optical properties, a large specific surface area, and superior mechanical capabilities, functional materials are widely used in a variety of fields, including information, engineering, medicine, and space applications. For this Special issue, we would like to invite contributions from researchers working on the growth and development of crystal and novel thin films, epitaxy, coating, interface and surface analysis, surface characterization, the study of relevant properties, and growth materials (including thin films, crystals, and nanostructures). Original research articles as well as reviews are both welcome in this Special Issue. Topics of interest may include, but are not limited to, the following:

- The synthesis methods of functional materials;
- The growth of crystals;
- The deposition of thin films, coatings, or junctions;
- The engineering and modulation of properties;
- Material characterization methods.

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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