Special Issue

Crystalline Materials: Growth, Characterization, and Devices

Message from the Guest Editors

Crystalline materials can realize the conversion of various energy forms such as electricity, magnetism, light, sound and force, thus they are indispensable and important materials in the development of modern science and technology. This Special Issue, “Crystalline Materials: Growth, Characterization, and Devices”, aims to collect original papers and review articles regarding all kinds of crystals and relevant aspects of these materials. Examples of contributions include but are not limited to the following topics:

- Growth and characterization of crystals.
- Principle of crystal growth and numerical simulations.
- Crystalline material design, new materials, and structure.
- Simulation and modeling for understanding structure-property relationships.
- Preparation of nanocrystalline materials.
- Crystal structure analysis and crystal defects.
- Applications and devices of crystals.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2024)

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About the Journal

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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