Special Issue

Crystal Growth and Characterization of Electronic and Optoelectronic Materials

Message from the Guest Editor

The aim of this Special Issue, devoted to the topic "Crystal Growth and Characterization of Electronic and Optoelectronic Materials" is to address current challenges and developments in the field of crystal growth for electronic and optoelectronic applications engaging the inherent technological benefits of growth materials. For this issue, we invite research contributions reporting advances on topics such as bulk crystals and substrate technologies, epitaxy, defect and doping, interface and surface analysis, structural characterization, and study of relevant properties (including morphological, physical, optical, electric, etc.) of growth materials (bulk, thin films, and nanostructure). The applications from the crystals cover various devices, e.g., power device, RF device, light-emitting diodes (LEDs), lasers, photodetectors, photovoltaic cells, transistors or others relevant devices suitable for electronics and optoelectronics. Considering your outstanding contribution in this fascinating research field, I would like to cordially invite you to submit a paper to this Special Issue.

Guest Editor

Dr. Si-Young Bae
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Deadline for manuscript submissions

closed (31 July 2021)

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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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