Special Issue

Ultra-Wide Bandgap Semiconductor Materials and Devices

Message from the Guest Editor

Ultra-wide Bandgap Semiconductors (UWBG) includes the high-Al-content AlGaN, boron nitrides, diamond, Ga2O3, NaYO2, etc. The applications of UWBG cover ultraviolet optoelectronics, power and RF electronics, detectors, and so on. The study of UWBG has become a new research hotspot because of the wide applications. However, there are many aspects that need to be further investigated. The objective of this Special Issue is to encourage researchers to exchange and share their strategies and achievements in UWBG materials and devices. The scope of the Special Issue includes, but is not limited to, advances in UWBG materials, especially stress and defects control, doping, and device design, mechanism, and fabrication.

Guest Editor

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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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