

Special Issue

Silicon Carbide and Other Wide Bandgap Materials: Fundamentals, Device Applications and Future Prospects

Message from the Guest Editor

SiC, being one of the most widely used wide bandgap materials, plays a critical role in power industries by setting new standards in power savings as switches or rectifiers in the system for electric vehicles, wind turbines, solar cells, data centers, as well as high temperature and radiation tolerant electronic applications. This Special Issue is focused on recent progress in all topics related to SiC materials and devices. Topics of interest in the issue include (but are not limited to):

- Bulk and Epitaxial Growth of SiC
- Heterostructures or related materials (graphene, GaN, Ga₂O₃, ZnO, etc.) grown on SiC
- Defect Analysis and Engineering
- Device Design and Fabrication Processes in SiC
- Packaging, Applications and Reliability for Power Electronics
- Novel devices

Guest Editor

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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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