Special Issue

Wide-Bandgap Semiconductor Materials, Devices and Systems

Message from the Guest Editors

This Special Issue is titled 'Wide-Bandgap Semiconductor Materials, Devices and Systems', and the materials include but are not limited to GaN, Ga2O3, SiC, ZnO, AlN, and diamond. More specifically, the scope of this Issue covers common key technological research topics for the study of material properties, device performance and system design of wide-bandgap semiconductors. The topics of interest are as follows: Material epitaxy (epitaxial structure design, material and electrical characterization, etc.); microelectronic fabrication processes (etching process research, ohmic contact improvement, breakdown voltage enhancement, gate dielectric engineering, etc.); novel device design and application (monolithic integrated devices, vertical devices, multi-gate devices, sensors, ferroelectric devices, etc.); semiconductor device physics (device reliability, failure analysis, modeling, etc.); and advanced system integration (power supply systems, power amplifier architecture, circuit efficiency improvement, advanced packaging, etc.). The above topics are just for your reference. Any related topics not mentioned above are also acceptable for this Special Issue.

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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