Special Issue

Nano/Micro and Bio-Inspired Materials on Wide-Bandgap-Semiconductor-Based Optoelectronic/Power Devices

Message from the Guest Editor

Recently, nano/micro and bio-inspired materials in wide-bandgap-semiconductor-based methodologies for developing optoelectronic and power devices have been increasing rapidly in the field of solid-state technology. Studies of the electrical, optical, structural, and morphological properties of wide-bandgap semiconductors have received enormous interest for future-generation devices. Significant advances have occurred in the growth of wide-bandgap semiconductors on different types of substrates in the crystalline field. However, no biomaterials have demonstrated the required low cost and stability, owing to a lack of the desired inherent material characteristics. Therefore, it is important to establish strategies to find and fulfill these requirements including hybrid solid-state technologies. The main contribution of the present Special Issue is “Nano/Micro and Bio-Inspired Materials on Wide-Bandgap Semiconductor-Based Optoelectronic/Power Devices”. We believe that this Issue is theoretically and practically needed at present to discover the outstanding future devices.

Guest Editor

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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.

Editor-in-Chief

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