Special Issue

Low-Dimensional Materials for Electronic Device Applications

Message from the Guest Editors

Recently, low-dimensional (zero-, one and two-dimensional) materials have attracted considerable attention and become the focus of scientific research and engineering applications. Therefore, this is the perfect time to present a Special Issue on “Low-dimensional materials for electronic device applications” in Crystals.

The aim of this Special Issue is to introduce the recent advances in this specific field to the readers of Crystals. Prospective authors from both academia and industry are invited to submit original research and comprehensive review articles which are relevant but not limited to the following topics:

- Growth and synthesis of low-dimensional materials, such as quantum wells/dots/wires, nanowires, nanotubes, superlattices, 2D materials, photonics crystals, etc.
- Novel characterization and analysis techniques (structural, electrical, optical, etc).
- Device processing and electronic device applications, such as transistors, lasers/LED, detectors/sensors, modulators, solar cells, etc.
- Physics relevant to low-dimensional materials.
- Modeling and simulation of material growth/synthesis and electronic device performance.

Guest Editors

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Deadline for manuscript submissions

closed (20 July 2021)

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About the Journal

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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