Special Issue

Semiconductor Material Growth, Characterization, and Simulation

Message from the Guest Editors

The research and development of novel semiconductor materials, property characterization, performance simulation, and vigorous promotion of devices have led to an in-depth understanding of semiconductor materials, innovation in semiconductor growth technology, and the continuation of Moore's Law.

This Special Issue will provide an excellent platform to examine new semiconductor research and development, and the contributors to this Special Issue can join together to demonstrate a sustainable future for the traditional field of semiconductors.

Fundamentally, this Special Issue seeks to highlight research on:

- The fabrication and growth technology of semiconductors;
- Characterization and analysis of the properties of semiconductor materials;
- Simulation and theoretical analysis of semiconductor materials;
- Correlation between material properties and device performance;
- New applications of semiconductor material and devices.

Moreover, research papers, short communications, and reviews are all welcome.

Guest Editors

Dr. Hongping Ma

Dr. Yuhang Liu

Dr. Jiao Xu

Dr. Kai Liu

Deadline for manuscript submissions

closed (31 July 2023)

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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

Prof. Dr. Alessandra Toncelli
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