

Special Issue

Epitaxial Growth of Semiconductor Materials and Devices

Message from the Guest Editors

Epitaxial growth is a valuable method for exploring the physical limits of semiconductor material, accessing novel (nano)structures requiring near-atomic precision, and producing critical devices. It is responsible for a significant range of semiconductor devices and applications including but certainly not limited to optoelectronics, photovoltaics, biomedical engineering, and power electronics. The ability to grow single-crystalline, low-defect semiconductor material is a necessity to innovate within these paradigm-shifting applications. While epitaxy has served this purpose for decades, advances continue to be made through development of novel materials, structures, and growth techniques. Recent examples include the resurgence of hydride vapor phase epitaxy, as well as the development of remote epitaxy and droplet epitaxy to name a few. This Special Issue seeks submissions in which epitaxy enables the furthering of semiconductor material understanding, the development of novel/unique growth techniques, as well as the recent progress in epitaxy-based devices.

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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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