Special Issue

Advances in Crystals for Optoelectronics

Message from the Guest Editors

In the past two decades, we have witnessed tremendous progress in the fields of advanced crystals, including two-dimensional (2D) transition-metal dichalcogenides, black phosphorus, MXenes, hexagonal boron nitride, wide-bandgap semiconductors, etc., as well optoelectronics, including light-emitting diodes, solar cells, photodetectors, and sensors. The key to this success is dependent on careful investigations into crystal growth, structural, electrical, mechanical, and optical properties. In this Special Issue, entitled "Advances in Crystals for Optoelectronics", researchers will have the opportunity to publish their novel findings related to recent advances in crystals and optoelectronics devices, including synthesis procedures, crystal structures, underlying theory, computation, models, and novel functional devices for new applications in optoelectronic fields. Submissions on original experimental or research, including materials development, device architecture, and novel device characterization methodology, will be considered. This Special Issue will also include reviews, brief research reports, and perspectives related to advanced crystals and optoelectronics devices.

Guest Editors

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Deadline for manuscript submissions

closed (29 February 2024)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/157657

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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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