Special Issue

Advanced Laser Crystals and Ceramic Materials

Message from the Guest Editors

We invite researchers, scientists, and engineers to contribute their original research articles, reviews, and perspectives in the field of advanced laser crystals and ceramic materials. Topics of interest for this Special Issue include, but are not limited to: Novel laser crystal and ceramic materials synthesis and characterization; Advances in crystal growth techniques and processing methods; Tailoring the optical properties of laser crystals and ceramic materials; New approaches for enhancing laser performance and efficiency; Laser ceramics for high-power and ultrafast laser systems; Photonic Nanomaterials and Optical Manipulation devices and applications; Hyperspectral Imaging and Optical Coherence. By bringing together contributions from diverse research areas, this Special Issue aims to foster a deeper understanding of advanced laser crystals and ceramic materials and their transformative impact on photonics. We encourage submissions that highlight innovative approaches, novel material systems, and groundbreaking applications that push the boundaries of laser technology.

Guest Editors

Dr. Chao Feng

Dr. Liang Gao

Prof. Dr. Yunzheng Wang

Dr. Junlei Wang

Dr. Shaojie Men

Dr. Feifei Chen

Deadline for manuscript submissions

closed (24 December 2024)

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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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