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Photoelectric Functional Crystals

Guest Editors:

Prof. Dr. Hongsheng Shi

Prof. Dr. Xiaodong Xu

Prof. Dr. Xiangyong Zhao

Deadline for manuscript submissions:
closed (10 March 2024)

Message from the Guest Editors

Dear Colleagues,

The development of advanced photoelectric functional crystals has attracted a significant amount of attention and avenues for application, including astrophysics, medicine, optical communication, ultrasonic/acoustic electronics, telecommunication, non-destructive detection, and oil detection.

The purpose of this Special Issue of *Crystals*, dedicated to optoelectronic functional crystals, is to collect articles either providing a review of the state-of-the-art or reporting on recent advances in the study of optoelectronic functional crystals. This includes, but is not limited to, the topics mentioned below in the keyword list. The scope mainly encompasses materials synthesis, properties, theory, modeling and application. Scientists and engineers working in the fields of scintillation crystals, laser crystals, ferroelectric and piezoelectric crystals, and their applications are cordially invited to contribute to this Special Issue.

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Editor-in-Chief

Prof. Dr. Alessandra Toncelli
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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.

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Journal Rank: JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)

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