Special Issue

Advances in Optoelectric Functional Crystalline Materials

Message from the Guest Editors

Photoelectric crystalline materials, which include lasers, nonlinear optics, electro-optics, scintillation, piezoelectrics, ferroelectric crystals, dielectric-superlattices, organic photoelectron molecules, and crystalline materials, as well as other novel crystals, have been extensively studied and widely used. In recent years in particular, with the development of characterization techniques, the in-depth relationships between structures and properties have been revealed. Furthermore, the simulation strategy, for example the first principle theory, also helps in the design and selection of high quality novel crystalline materials. Thus, great progress has been made in the theories, methods, and applications of photoelectric crystalline materials. Although there have been many conferences about crystalline materials, there are few Special Issues that talk about photoelectric crystals. The present Special Issue, entitled *Advances in Optoelectric Functional Crystalline Materials*, aims to summarize recent progress and future prospects that can not only tell us where we are but also point to where we are going.

Guest Editors

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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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