



Photoresponsive Organic Molecular Crystals

Guest Editors:

Prof. Dr. Fei Tong

Prof. Dr. Rabih O. Al-Kaysi

Prof. Dr. Daichi Kitagawa

Deadline for manuscript
submissions:

closed (10 November 2022)

Message from the Guest Editors

We invite scientists and researchers to contribute to this Special Issue of Crystals entitled “Photoresponsive Organic Molecular Crystals”. This Issue aims to build a contemporary collection of recent pioneering work and advances in the field of photoresponsive molecular crystals, involving molecular structure design, crystal engineering, material fabrication, and potential applications. We hope to shed light on the potential use of these “smart” crystals in real-world applications by incorporating material engineering and machine learning.

Keywords

- molecular crystals
- crystal engineering
- photochromism
- photoresponsive crystals
- organic photochemistry
- photomechanical crystals
- crystal growth
- functional crystals
- intermolecular interactions
- chromophores





crystals



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, PI, Italy

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [CAPus](#) / [SciFinder](#), and [other databases](#).

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

Contact Us

Crystals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/crystals
crystals@mdpi.com
[X@Crystals_MDPI](https://twitter.com/Crystals_MDPI)