crystals

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 3.6

Liquid-Crystal Polarization Gratings Volume II

Guest Editors:

Dr. Yishi Weng
School of Electronic Science and Engineering, Southeast University, Nanjing, China

Prof. Dr. Jianghao Xiong
School of Optics and Photonics, Beijing Institute of Technology, Beijing, China

Prof. Dr. Chaoping Chen
Department of Electronic Engineering, Shanghai Jiao Tong University, Shanghai, China

Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Liquid-crystal polarization gratings (LCPGs) are attracting wide interest in both the liquid crystal and optics fields due to their intriguing formation process, unique optical properties, and potential applications in emergent wearable devices, such as augmented/virtual reality headsets.

This Special Issue of Crystals serves to provide a platform for researchers to report results and findings in liquid-crystal or liquid-crystal-polymer LCPGs in the aspects of material, processing, patterning, polymerization, molecular kinematics, optical properties, and their applications.

Potential topics include but are not limited to:

Materials for LCPGs;
Interplay between materials and LCPGs structures;
Effect of processing and patterning on LCPGs;
Optical characteristics of LCPGs;
Novel structures of LCPGs;
Applications of LCPGs;
Optical systems based on LCPGs.

crystals

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 3.6

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, CAPlus / 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