Special Issue

Photovoltaic Functional Crystals and Ceramics

Message from the Guest Editors

Today, photovoltaic functional materials come in many forms and play increasingly important roles in modern electronics, information communication and industry, as well as the promotion of fundamental research on materials and devices. The aim of this Special Issue is to provide a positive forum for scientists, scholars, and industrial engineers to communicate and discuss challenges and breakthroughs in photovoltaic research and applications. The scope focuses on inorganic crystalline materials, including traditional bulk crystals, photovoltaic semiconductors, functional alloys and compounds, thin films, optical ceramics, laser optics, 2D/nanomaterial, etc. We welcome original results from all aspects in relation to photovoltaic applications, such as crystal growth, characterization, structure refinement, modeling, device fabrication and measurements, and system testing, as well as corresponding fundamental research. We look forward to receiving novel and outstanding research and to broadly sharing your results with the scientific community via this Special Issue.

Guest Editors

Dr. Linghang Wang

School of Electronic Science and Engineering, Xi'an Jiaotong University, Xi'an 710049, China

Dr. Gang Xu

School of Electronic Science and Engineering, Xi'an Technological University, Xi'an 710021, China

Deadline for manuscript submissions

closed (30 November 2022)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/101544

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

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

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)