

Special Issue

Advanced Research on Perovskite Solar Cells

Message from the Guest Editors

Over the past decade, significant progress has been made in the development of perovskite solar cells, culminating in certified efficiencies approaching those of commercial silicon solar cells, which marks a critical milestone. However, stability remains the key challenge for future commercialization. To address this issue, several strategies need to be employed, such as the screening of precursor materials, the application of additives, interface engineering, the suppression of ion migration, and innovations in device architecture. Further efforts are urgently needed to improve the operational stability of these devices while balancing cost-effectiveness and performance efficiency.

Assistant

Guest Editors

Prof. Dr. Chunyang Zhang

Dr. Sawanta Mali

Prof. Dr. Guanying Chen

Dr. Dou Zhang

Deadline for manuscript submissions

closed (31 December 2025)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/239198

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

[mdpi.com/journal/
crystals](https://mdpi.com/journal/crystals)





Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



[mdpi.com/journal/
crystals](https://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)