

Special Issue

Semiconductor Nanomaterials for Energy Conversion and Environmental Applications

Message from the Guest Editors

Driven by the rapid development of human civilization and technology, energy and environmental issues have increasingly attracted attention worldwide. In particular, the design of novel materials with good application performances in energy conversion and environmental remediation is a cutting-edge research topic.

Semiconductor nanomaterials are a promising candidate due to their unique crystal and electronic structures, controlled composition and morphology, tuneable optical, electronic, and magnetic properties, etc. Therefore, this Special Issue, "Semiconductor Nanomaterials for Energy Conversion and Environmental Applications", will cover the latest developments in semiconductor nanomaterials. We warmly welcome you to submit to the current special issue.

Guest Editors

Dr. Tong Cai
Dr. Zhen Xiao
Dr. Zhenghong Dai

Deadline for manuscript submissions

closed (22 December 2022)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/126879

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)