

Special Issue

New Materials for Electrochemical Energy Storage Systems and Catalysis

Message from the Guest Editor

Nowadays, electrochemical energy storage and conversion devices are fundamental components of the green transition towards a more sustainable and environmentally friendly society independent from fossil fuels. On the other hand, catalysis has a wide range of high industrial impact applications, ranging from the production of polymers to the treatment of noxious emissions.

Therefore, the aim of this Special Issue is to reveal insights into the materials used for electrochemical energy storage and conversion devices and for catalysis applied to the energy field. The intended scope of the selected publications is to shed light on the complex relationship between the crystal structure and morphology and the properties of the materials that determine the final performances of the devices where they are applied.

We invite interested authors to submit their original experimental, theoretical and review papers focusing on the subject for inclusion in this Special Issue.

Guest Editor

Dr. Mauro Francesco Sgroi
Department of Chemistry, University of Turin, 10124 Torino, Italy

Deadline for manuscript submissions

closed (20 June 2024)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/148701

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, CAPus / SciFinder, and other databases.

Journal Rank:

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