



Highly-Conductive Ceramics with Multiple Types of Mobile Charge Carriers

Guest Editors:

Dr. Sebastian Wachowski

Prof. Dr. Gilles Gauthier

Prof. Dr. Jong-Sook Lee

Dr. Sandrine Ricote

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

The Special Issue “Highly-conductive ceramics with multiple types of mobile charge carriers” aims to explore the intricacies of crystalline materials in which mobility of more than one charge carrier determines electronic conductivity. The topic extends also to non-trivial conducting mechanisms, correlation and associative effects between charged species. The focus is not limited to bulk conductivity but incorporates interfacial effects, grain boundaries, surface conductivity and nanoionics. We want this to become a platform for brave ideas at the early stage of exploration.





crystals



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, 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](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Crystallography*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/crystals
crystals@mdpi.com
[X@Crystals_MDPI](#)