

Special Issue

New Materials for Li-Ion Batteries

Message from the Guest Editors

This Special Issue invites manuscripts that discuss experimental or modeling investigations of new chemical or physical formulations for cathodes, anodes, electrolytes, or solid electrolyte interphases in Li-ion based batteries. These investigations may involve new chemical compounds that show promise as major phases for Li-ion based systems (e.g., high-voltage spinels, LiPON electrolytes, “water-in-salt” electrolytes, etc.), or new methods of processing current compounds to achieve novel structures (e.g., composite graphite/Si anodes, nanostructured composite cathodes), which increase the overall capability of these compounds above their currently utilized configurations.

Guest Editors

Prof. Dr. Dmitry A. Bedrov

Department of Materials Science & Engineering, University of Utah, Salt Lake City, UT 84112, USA

Dr. Justin B. Hooper

Department of Materials Science and Engineering, University of Utah, Salt Lake City, UT, USA

Deadline for manuscript submissions

closed (1 December 2018)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.2



mdpi.com/si/14373

Crystals
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 4.2



[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, CAPIus / SciFinder, and other databases.

Journal Rank:

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