

## Special Issue

# Advances in Thermoelectric Thin Films

### Message from the Guest Editors

Thermoelectric materials can realize the direct conversion of heat energy and electrical energy, which gives it the potential for broader application in the field of thermoelectric power generation and cooling. Low-dimensional thermoelectric materials, especially two-dimensional thin films, have been considered as a breakthrough in the effort to decouple the correlations between electronic and thermal transport, contributing to the optimization of thermoelectric performance. Recent years have witnessed the rapid progress of research on thermoelectric thin films in topics such as novel preparation methods, structure design, two-dimensional electron gas, flexible and wearable thermoelectric devices and more. This Special Issue focuses on the most recent advances of thermoelectric thin films in topics including but not limited to inorganic, organic, and hybrid inorganic–organic thin films; flexible devices; and theoretical explanation. This Special Issue could be a good platform for you to share your recent progress in thermoelectric thin films. We encourage the submission of manuscripts in the form of research articles, short communications, and reviews.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2023)



## Crystals

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## 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.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli

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