

Special Issue

Feature Papers in Crystalline Metals and Alloys in 2022–2023

Message from the Guest Editors

The journal *Crystals* (ISSN: 2073-4352) is pleased to announce the launch of a Special Issue titled “Feature Papers in Crystalline Metals and Alloys in 2022–2023”.

The Crystalline Metals and Alloys section aims to publish high-quality theoretical and/or experimental studies related to crystalline metals, alloys, and intermetallics. Topics include, but are not limited to, the following:

Solidification and crystallization;
Casting, welding, and additive manufacturing;
Thermomechanical processes and high deformations;
Recrystallization, grain growth, and textures;
Martensite, twins, and displacive phase transformations;
Order–disorder, precipitation, and diffusive phase transformations;
Classical alloys, such as Mg-, Al-, Ti-, Fe-, Ni-, Zr-, and Cu-based alloys;
Advanced alloys, such as TWIP and TRIP steels and Ti alloys;
Precious alloys, for example, those based on Au, Pt, or Pd;
Shape memory alloys (SMAs) and high-entropy alloys (HEAs);
Non-standard heat treatment
Characterization techniques, such as optical microscopy, X-ray diffraction, electron microscopy (SEM, TEM, EBSD), calorimetry, dilatometry, mechanical tests, and in situ experiments.

Guest Editors

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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.

Editor-in-Chief

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