Special Issue

High Entropy Alloy, Hard to Form Metal and Alloy of Additive Manufacture

Message from the Guest Editors

Additive manufacturing (AM) of complex-shaped and hard-to-form metals has attracted considerable interest during the last decade. Hard-to-form metals (HFMs), such as high entropy alloy (HEA), have great potential applications in refraction, energy, biomedical, aerospace industrial, etc. AM technology provides great capabilities for hard-to-form metal manufacture, whereas many technical challenges remain for materials scientists and engineers to overcome. Due to the ongoing manufacture challenges and scientific findings of hard-to-form metals and high entropy alloys of AM, we invite researchers to contribute to this Special Issue on high entropy alloys, as well as hard-to-form metals and alloys of additive manufacture. This issue is focused on the raw materials, processes, simulation, properties, post-treatments, and applications of AMed HEA and HFM materials. In this issue, we aim to bring scientists of all fields together to advance the field further and explore untouched potential and applications.

Guest Editors

Prof. Dr. Meng-Hsiu Tsai

Prof. Dr. Shih-Fu Ou

Dr. Yen-Ju Chen

Dr. Chia-Ming Yang

Deadline for manuscript submissions

closed (20 December 2021)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/90350

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

MDPI

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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