Special Issue

Prospect Methods for Manufacturing of High-Entropy Alloys: Composition, Microstructure, and Properties

Message from the Guest Editor

Modern methods for manufacturing high-entropy alloys are not limited by traditional casting but also include additive manufacturing technologies, such as selective laser melting, direct metal deposition, electron beam melting, wire-arc additive manufacturing, etc. Some promising methods for the fabrication of high-entropy alloys are various coating-deposition technologies that significantly improve the properties of the base substrates. In keeping with the longstanding tradition of publishing the most recent and highest-quality work in Special Issues of *Metals*, this Special Issue features a collection of manuscripts entitled "Prospect Methods for the Manufacturing of High-Entropy Alloys: Composition, Microstructure, and Properties". This Special Issue features the finest and latest-breaking articles in high-entropy alloy manufacturing methods in 2022, and is listed with the main indexing services, making the articles readily searchable, available on the Web, and citable.

Guest Editor

Prof. Dr. Sergey Konovalov

Department of Metals Technology and Aviation Materials, Samara National Research University, Moskovskoye Shosse 34, Samara 443086, Russia

Deadline for manuscript submissions

closed (31 December 2022)



Metals

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



mdpi.com/si/111987

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

mdpi.com/journal/

metals





Metals

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



metals



About the Journal

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).