Special Issue

Metallic Functional Materials

Message from the Guest Editor

Metallic functional materials refer to metallic materials with special physical, chemical or biological properties that are used for non-structural purposes. They are important basic materials for both high-tech fields (information technology, biotechnology, energy technology, and national defense construction) and transforming and upgrading traditional industry. Academics on metallic functional material related cutting-edge research are very active, especially in the field of new energy, environment and health care. The reports about the component and structure design, mechanism investigation and application of high entropy alloys, nano metal material and catalytic material emerge in endlessly. These significant research works provide a strong theoretical support for new system development, performance improvement and application of metallic functional materials. In this Special Issue, we welcome scientific research teams to publish their latest achievements, especially original and novel papers on material synthesis, microstructure, properties and mechanism, in order to exhibit the cutting-edge progress in the field of metallic functional materials.

Guest Editor

Prof. Dr. Yiping Tang

College of Materials Science and Engineering, Zhejiang University of Technology, Hangzhou 310014, China

Deadline for manuscript submissions

closed (31 August 2022)

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

mdpi.com/si/100865

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

mdpi.com/journal/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).

MDPI