

Special Issue

Intelligent Metal Manufacturing and Formation Technology

Message from the Guest Editor

The generation of information technology and artificial intelligence (such as the Internet of Things, big data, mobile internet, cloud and edge computation, machine learning, computer vision, virtual reality, digital twins and so on) is being used to empower the manufacturing industry. It has also promoted the development of intelligent manufacturing technology. This trend has brought with it a number of innovative designs, equipment, processes, systems, management, services and modes in the Industry 4.0 era. In this Special Issue, we welcome articles that focus on the intelligent design of advanced metallic materials, intelligent manufacturing and the formation of metallic products. Additive manufacturing and advanced formation processes, intelligent equipment and systems, intelligent molds and dies, and intelligent production lines and factories remain of particular interest; these have enormous potential in the application of the new generation of information technology and artificial intelligence for metal manufacturing and formation.

Guest Editor

Dr. Wei Liu

School of Materials Science and Engineering, Wuhan University of Technology, Wuhan 430070, China

Deadline for manuscript submissions

closed (30 September 2024)



Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/196821

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

mdpi.com/journal/

[metals](https://mdpi.com/journal/metals)





Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
metals](https://mdpi.com/journal/metals)



About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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 18.7 days after
submission; acceptance to publication is undertaken in 2.7
days (median values for papers published in this journal in
the second half of 2025).