

## Special Issue

# Liquid Metal and Its Applications

### Message from the Guest Editors

“Liquid Metal and Its Applications” is a broad title intended to cover some of the recent developments that have contributed most significantly to the increase in the technological applications of these materials. The liquid (or molten) state occurs at widely varying temperature intervals for different metals and alloys. Understanding liquid metals is essential for many processing techniques, such as infiltration or brazing, leading to metal-based materials with useful properties in many applications, including construction, armament, transportation or electronics. The latest advances in liquid–liquid transitions faced by many metals, nanocontact transport properties, and achievements in amorphous alloy development are still open research fields. The editors of this volume are convinced that the set of contributions contained therein shows only one apex of the significant progress made in this area recently, and that it can certainly inspire many researchers to go into this discipline of enormous interest.

### Guest Editors

Prof. Dr. Jose Miguel Molina Jordá

Instituto Universitario de Materiales de Alicante, Departamento de Química Inorgánica, Universidad de Alicante, Ap. 99, E-03080 Alicante, Spain

Prof. Dr. Enrique Louis Cereceda

Instituto Universitario de Materiales de Alicante, Departamento de Física Aplicada, Universidad de Alicante, Ap. 99, E-03080 Alicante, Spain

### Deadline for manuscript submissions

closed (30 June 2020)



## Metals

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/35844](https://mdpi.com/si/35844)

*Metals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metals@mdpi.com](mailto: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 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).