# Special Issue

# Liquid Metal Engineering

### Message from the Guest Editor

Liquid metals and alloys are playing an increasingly central role in advancing various applications, such as in metal extraction, material synthesis, energy storage devices, microfluidics, flexible electronics, and drug delivery. Most metals are produced in a liquid state and liquid metals have been a part of human society for a long time. Recently, research on liquid metals has emerged as a largely untouched field that needs to be explored and which could spur on further interdisciplinary research. As such, this Special Issue will focus on the recent research advances in liquid metal engineering, encompassing the fundamentals underlying the study of liquid metal, extraction and preparation of liquid metals, characterization methods, modeling and theoretical calculations, and liquid metal applications. Overall, this Special Issue aims to collect state-of-the-art research papers on liquid metals, thereby attracting more attention from various fields, expanding the real-world applications of liquid metals, and fostering future collaborations.

### Guest Editor

Prof. Dr. Huayi Yin
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### Deadline for manuscript submissions

closed (31 December 2021)

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# 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

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**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).

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