

## Special Issue

# Computational Modeling and Simulation in Metallic Materials Genome Engineering

### Message from the Guest Editor

Computational materials science has become an important and necessary tool in the study of metallic materials. This research technique is applied through the whole process of material discovery, preparation and application. With the introduction and development of material genome engineering, high-throughput computation and multi-scale modeling are regarded as one of the three elements besides high-throughput experiments and databases. In this Special Issue, we welcome articles that focus on the development of high-throughput algorithms and construction of cross-scale modeling for metal materials, the typical application cases to solve the critical issues in metal material research. Machine learning coupled with computational materials science is of especial interest.

### Guest Editor

Prof. Dr. Xiaoyu Chong

Faculty of Materials Science and Engineering, Kunming University of Science and Technology, Kunming 650093, China

### Deadline for manuscript submissions

closed (30 September 2023)



## Metals

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

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## 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.

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### 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

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manuscripts are peer-reviewed and a first decision is  
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the first half of 2025).