



metals



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Plastic Deformation and Metal Plasticity

Guest Editors:

Dr. Lini Zhu

School of Aeronautics and
Astronautics, Zhejiang University,
Hangzhou 310027, China

Prof. Dr. Dongfeng Li

School of Science, Harbin
Institute of Technology,
Shenzhen 518055, China

Dr. Bin Gan

Beijing Key Laboratory of
Advanced High Temperature
Materials, Central Iron and Steel
Research Institute, Beijing
100081, China

Message from the Guest Editors

In this Special Issue, we welcome articles that focus on the preparation methods for advanced metallic materials, microstructural characterization for plastic deformation, the relationship between microstructure and mechanical properties, multi-scale simulation and constitutive modeling for plasticity, and deformation mechanism analysis in experiment and in theory. Plastic deformation and plasticity in extreme conditions is an area of particular interest, with potential for implementation of advanced metallic materials in high-performance products under extreme environments. To find out more information, please click on the Special Issue link below:

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Special Issue



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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

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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Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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