



Metallic Functional Materials

Guest Editor:

Prof. Dr. Yiping Tang

College of Materials Science and Engineering, Zhejiang University of Technology, Hangzhou 310014, China

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Message from the Guest Editor

Dear Colleagues,

Metallic functional materials refer to metallic materials with special physical, chemical or biological properties that are used for non-structural purposes. They are important basic materials for both high-tech fields (information technology, biotechnology, energy technology, and national defense construction) and transforming and upgrading traditional industry. Academics on metallic functional material related cutting-edge research are very active, especially in the field of new energy, environment and health care. The reports about the component and structure design, mechanism investigation and application of high entropy alloys, nano metal material and catalytic material emerge in endlessly. These significant research works provide a strong theoretical support for new system development, performance improvement and application of metallic functional materials.

In this Special Issue, we welcome scientific research teams to publish their latest achievements, especially original and novel papers on material synthesis, microstructure, properties and mechanism, in order to exhibit the cutting-edge progress in the field of metallic functional materials.





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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

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.

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Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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