

Special Issue

Metallic Functional Materials

Message from the Guest Editor

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.

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Yong Zhang

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