

Special Issue

Phase Transformation, Strengthening and Toughening, Processing in High/Medium Entropy Alloys

Message from the Guest Editors

High entropy alloys, as a new type of metallic structural material, have attracted much attention due to their excellent comprehensive properties. Nevertheless, with the rapid development of modern sophisticated equipment manufacturing, materials scientists and metallurgists are expending continuous efforts to improve the comprehensive properties of metallic materials used in components in order to meet the requirements of increasingly demanding service environments. This Special Issue will focus on new and progressive results in the research of high/medium entropy alloys, and included articles can be studies involving (but not limited to) processing, phase transformation, strengthening and toughening of high/medium entropy alloys. Moreover, reviews of fundamental mechanisms underlying microstructural evolution, deformation behaviors, and their applications are sought. We welcome manuscripts from both fundamental scientific researchers and authors associated with industrial companies involved in the field.

Guest Editors

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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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