

Special Issue

Additive Manufacturing of Metallic Materials: Advances, Challenges, and Prospects

Message from the Guest Editor

This Special Issue aims to be a venue for discussing advances, challenges, and prospects regarding metallic materials additive manufacturing in academia and industry. The scope covers experimental investigations and theoretical modeling on the characterization of additive powders, process developments and control, parameter optimization, and post-treatment tailoring of advanced materials with superior properties. The particular scientific focus will be on alloy design, composite materials, hybrid structures, lattice structures, metamaterials, and functionally graded materials by additive manufacturing technologies.

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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