Special Issue

Additive Manufactured Metal Structural Materials

Message from the Guest Editor

Additive manufacturing technology is a revolutionary technology that integrates digital manufacturing, intelligent manufacturing, and green manufacturing. It has the advantages of high design flexibility, low material waste, and strong personalized customization. which can significantly shorten the development cycle of products. It has been widely used in multiple fields, including automotive, medicine, aerospace, electronics, etc. Additive manufacturing technology has injected inexhaustible vitality into metal structural materials. Complex additive manufactured metal structural materials can be customized and evaluated, which will promote the rapid development of social economy and key industries. In this Special Issue, we welcome articles that focus on the design, characterization, and evaluation of additive manufactured metal structural materials. Theoretical analysis, experimental tests, and numerical simulations are all welcome. Contributions to this Special Issue are highly valued and appreciated. We invite you to contribute research work and reviews that relate to the benefits of additive manufactured metal structural materials in today's world.

Guest Editor

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About the Journal

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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