Special Issue

Recent Advances in Additive Manufacturing of Metallic Materials: Characterization, Properties, and Modeling

Message from the Guest Editors

This Special Issue aims to gather original research and high-quality comprehensive reviews in this field, authored by renowned researchers who have made significant contributions to the field of metal additive manufacturing. This focus includes the design of new alloy compositions and widening general knowledge of microstructural evolution and its impact on mechanical properties. Research areas may include (but are not limited to) the following topics:

- Design of novel alloy compositions for additive manufacturing;
- Modeling and simulation of additive manufacturing;
- Design and fabrication of porous metal structures;
- Gradient heterogeneous materials in additive manufacturing;
- Microstructural evolution of additive manufacturing materials;
- Deformation mechanisms and mechanical properties of additively manufactured parts.

Guest Editors

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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