

Special Issue

Correlation between Microstructure and Macromechanical Properties in Additive Manufacturing and Welding

Message from the Guest Editors

This Special Issue aims to bring together state-of-the-art research results, including but not limited to microstructure formation and macromechanical properties in additive manufacturing or welding, and to help researchers around the world to better track the latest research progress and further advance the development of additive manufacturing and welding together to make high-performance parts. Potential topics include, but are not limited to:

- Process-structure-performance relationships;
- Microstructure evolution and its formation mechanism;
- Residual stress distribution and its formation mechanism;
- Micro-and macromechanical properties;
- Role of microstructure in mechanical properties;
- Additive manufacturing and welding of high-performance parts;
- Future perspectives for additive manufacturing and welding.

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Deadline for manuscript submissions

closed (12 December 2022)



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About the Journal

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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