

## Special Issue

# High-Performance Heterogeneous Nanostructured Materials

### Message from the Guest Editors

The current Special Issue aims to summarize the state of the art of research progress of various high-performance heterogeneous nanostructured metals and alloys, including

- (i) mechanical properties (e.g., strength, ductility, fatigue, creep, phase transformation, and wear behaviors)
- (ii) advanced fabrication methods (e.g., severe plastic deformation techniques, laser treatment/additive manufacturing, machining technology, etc.)
- (iii) microstructure characterizations responsible for the formation and underlying plastic deformation mechanisms.

Research papers related to experiments, computational simulations/high-throughput computing, and theoretical modeling are all welcomed.

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### Guest Editors

Dr. Xusheng Yang  
Dr. Honghui Wu  
Prof. Dr. Jiaming Zhu

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### Deadline for manuscript submissions

closed (15 March 2022)



## Crystals

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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.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli  
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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