

Special Issue

Mechanical Properties and Structure of Metal Materials

Message from the Guest Editors

Metal is an important material that is indispensable to modern industry and life because of its high strength, good electrical and thermal conductivity, and strong plasticity. The high density of metal materials limits their application. Structured metal-based metamaterials are composed of a special microstructure and a large number of pores, so they have high specific stiffness, specific strength, and functional designability. However, Structured metal-based metamaterials still encounter challenges, such as the mechanical properties of metals, structural inverse design, multifunctional design, and the pursuit of extreme performance.

This Special Issue focuses on topics related to the mechanical properties of Structured metal-based metamaterials and pure metals, the design and engineering of these materials, and their applications. Papers focused on other topics related to the design and application of Structured metamaterials are welcome to be submitted to this Special Issue.

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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