

Special Issue

Advances in Metal Matrix Composites

Message from the Guest Editors

Metal matrix composites (MMCs) are composed of ductile metals reinforced with a variety of stiff ceramic particles or fibers. Due to their excellent mechanical and physical properties, MMCs have attracted great attention in the applications of the automobile and aerospace industries. However, fabricating advanced MMCs still encounters challenges, such as choosing suitable reinforcements, achieving good dispersion with strong interfacial bonding, and realizing large-scale production. Recently, many methods, including (1) utilization of low-dimensional reinforcements such as graphene or carbon nanotubes, (2) development of new manufacturing technologies such as additive manufacturing, (3) establishment of multi-scale strengthening systems, etc. have been attempted to improve the comprehensive performances of MMCs. This Special Issue on “Advances in Metal Matrix Composites” aims to collect state-of-the-art research on advanced MMCs. Original contributions related to current MMCs are welcome in the form of short communications, full-length articles, and reviews.

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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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