Special Issue

Recent Advances in Light Alloys

Message from the Guest Editor

Owing to the typical intrinsic properties of light alloys, aluminum (Al), magnesium (Mg) and titanium (Ti) alloys have garnered considerable potential in aeronautics, automotive, and medicine. The improvement in the mechanical properties, especially the strength-to-weight ratio, of these kinds of nonferrous alloys remains a significant challenge to be addressed. Mechanical behavior is associated with different variables, namely processing techniques, microstructure features, environmental factors, and loading scenarios, among others. Thus, this Special Issue aims to further investigate the in-depth knowledge about the mechanical behavior of light alloys to develop sustainable and cost-effective engineering structures for advanced applications. In light of recent advances, both experimental and numerical approaches are encouraged. We welcome research articles, short communications, and review articles to be submitted to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2023)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/135586

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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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