Special Issue

Recent Advances in High Entropy Alloys

Message from the Guest Editors

This Special Issue on "Recent Advances in High Entropy Alloys" aims to explore cutting-edge developments in the field of materials science, focusing on the unique properties and applications of high-entropy alloys (HEAs). These alloys, characterized by their equiatomic or near-equiatomic mixture of four or more elements, have garnered significant attention due to their remarkable mechanical strength, corrosion resistance, and other exceptional properties, which are not typically observed in conventional alloys. This issue seeks to provide a comprehensive platform for researchers, engineers, and academics to share their latest findings, innovative theories, and experimental results related to HEAs. The scope of this issue encompasses the synthesis methods, microstructure characterization, magnetic, properties, mechanical properties, phase stability, and potential applications of high-entropy alloys in various industries, including aerospace, biomedical, and energy sectors.

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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