Special Issue

Advances of High Entropy Alloys

Message from the Guest Editors

In the past decade, the sudden rise of high entropy alloys (HEAs) has become a research hotspot in the domain of metal materials. HEAs are generally considered to be composed of five or more principal elements and the atomic percentage of each principal element is between 5 at.% and 35 at.%. This unique design concept means that these alloys exhibit high entropy effects in regard to thermodynamics and other characteristics, such as the lattice distortion effect, the sluggish diffusion effect and cocktail effect. Owing to their remarkable and peculiar characteristics, HEAs exhibit excellent properties, such as balanced strength and ductility, wear resistance, anti-oxidation and outstanding corrosion resistance. We invite researchers to contribute to this Special Issue on "High Entropy Alloys", which is intended to serve as a unique multidisciplinary forum, covering broad aspects of the science, technology, and application of high entropy alloys. Potential topics include, but are not limited to, the following:

- Synthesis of high entropy alloys;
- Characteristics of structural properties;
- Excellent properties;
- Applications.

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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.

Editor-in-Chief

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