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Medium-/High-Entropy and Multi-Principal-Element Materials

Guest Editor:

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submissions:

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Message from the Guest Editor

I am very pleased to see that you, too, are becoming a critically important part of the extensive research activities worldwide that are related to so-called high-entropy alloys (HEAs). In recent years, our understanding of HEAs (comprising five or more chemical species) has shifted from the original idea of maximizing the configurational entropy in these materials towards exploring their unexpected complexity—the extent of which continues to be revealed. The recent inclusion of so-called medium-entropy alloys (MEAs) and relaxation of the condition of equiatomic amount of elements have reshaped the entire field, and these materials have become known as multiprincipal element alloys. Importantly, previously unknown and often unprecedented properties continue to be identified in these materials. These cover their functional (e.g., magnetic), mechanical, or other characteristics under different regimes involving, for example, low/high-temperatures, hydrostatic pressures, or other external stimuli. So, there is certainly a lot of space to include your own groundbreaking research!



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Special Issue



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Message from the Editor-in-Chief

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