Special Issue

Wear and Corrosion Behavior of High-Entropy Alloy

Message from the Guest Editors

In order to comprehensively assess the wear behaviour of high-entropy alloys and take full advantages of the alloys for effective tribological applications, the performance of high-entropy alloys in various wear modes needs to be evaluated with fundamental understanding in order to tailor the alloys for maximized benefits.Manuscripts that report studies of the following topics (but not limited to) are welcome for this special issue. Wear of high-entropy alloys in different wear modes and mechanisms Corrosion of high-entropy alloys High-entropy alloy design for tribological applications. Wear, corrosion and corrosive wear of high-entropy alloys Performance comparison between high-entropy and medium-entropy alloys during wear and corrosion High-entropy tribo-coatings Microstructure-property-wear performance relationships Computational modeling Theoretical aspects of wear of high-entropy alloys

Guest Editors

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Deadline for manuscript submissions

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Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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