



Microstructure and Tribological Properties of High Entropy Alloy/Functional Coatings

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

High-entropy alloy/functional coatings have been widely utilized to protect component substrate in extreme conditions such as high pressure, high temperature, and strong corrosion, etc. The mechanical and thermal physical properties of high-entropy alloy/functional coatings could be affected by the coating microstructure, which determines coating tribology characteristics and the component service life. Therefore, it is necessary to illustrate the relationship of coating microstructure to physical properties, tribological properties and experimental results. This relationship could guide the design of functional coating. This Special Issue aims to solicit research/review papers on the design and application of new high-entropy alloy/functional coatings in scientific research or industry.

Dr. Jinfu Zhao

Guest Editor





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Message from the Editorial Board

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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