Special Issue

Surface Modification of Alloys

Message from the Guest Editor

Over the last two decades, advanced methods of surface modification have attracted tremendous research interest, altering the surface characteristics of alloys to improve their performance, such as wear resistance, corrosion resistance, hardness, protection from degradation exposed to chemical or mechanical damage, antimicrobial properties, biodegradability, and biocompatibility. Significant knowledge has already been reported on the relationship between the surface and characteristics of alloys in the development of novel surface modifications and advanced alloys. Nonetheless, there is still considerable room for further deepening our knowledge in this area. We gladly invite submissions for papers on topics suitable for the Special Issue “Surface Modification of Alloys”. It aims to cover a wide range of topics, from basic research to industrial and medical applications, including investigating the influence of novel methods for surface modification on alloy characteristics, analyzing the behavior of surface alloys in different environments, and the consideration of future trends for the surface modification of alloys.

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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