



Extreme Environment Materials

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

It is our pleasure to invite you to contribute a paper on materials used in extreme environments. The present Special Issue will specifically focus on materials and evaluation methods which are suitable to be used in ultrahigh temperatures, ultralow temperatures, ultrahigh pressure, and ultrahigh irradiation environments. Our goal is for this issue to help your important research reach a wider audience and be cited by other materials scientists. In order to more clearly define what we mean with the term “extreme”, we are particularly interested in materials that can be adopted in deep space facilities, deep sea facilities, new-generation nuclear power plant facilities, etc., such as ultrahigh-speed vehicles, aeroengines, space engine, fusion reactors, etc. Research articles of any length, as well as short communications and review papers, are all welcome.





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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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