Special Issue

Recent Developments of Zirconium Alloys--

Message from the Guest Editor

With the vigorous development of the nuclear power industry, zirconium alloy, as one of the core materials of nuclear power plants, has also made significant progress. For example, zirconium alloy N36, which is currently undergoing heap barrier reaction tests, exhibits very promising development prospects. This Special Issue summarizes and reviews the research on zirconium alloy materials based on existing research, in order to better develop new zirconium alloy materials. At the same time, prospects for the future development of zirconium alloys are presented. I hope that the publication of the Special Issue can play a positive role in promoting the development of zirconium alloys in nuclear power.

Guest Editor

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Message from the Editor-in-Chief

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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