Special Issue

Metallic Glasses: Research and New Challenges

Message from the Guest Editor

Improving the properties of materials has always been an eternal theme in the field of materials science, because people's pursuit of high performance materials is endless. Amorphous alloy, also known as metallic glass, is a kind of long-range disordered atomic structure of solid metal materials. Compared with crystalline alloys, amorphous alloys have not only metallic properties, but also some significant properties related to amorphous structure, such as isotropy, component flexibility, unsaturated surface, etc. At the same time, in recent years, in order to pursue higher performance materials, most people also shifted part of their attention to the research and development of amorphous alloys and their composites. In this Special Issue, we welcome articles that focus on preparation methods and various excellent properties of amorphous alloys and their composites. The Special Issue also intends to provide an overview of basic trends in the field, as well as recent advances in materials synthesis, advanced experimental characterization, materials modeling, and engineering and functional applications.

Guest Editor

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About the Journal

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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