Special Issue

Metallic Glasses: Kinetics, Processing and Applications

Message from the Guest Editors

Aside from ultrahigh strength and elasticity, bulk metallic glasses possess plenty of favorable thermal, magnetic, and chemical properties. For this Special Issue in *Metals*, we aspire to publish a range of articles covering (i) glass formation kinetics, liquid fragility, and thermal forming, (ii) thermal annealing and nanocalorimetry, (iii) synchrotron X-ray radiation, (iv) hydrogen storage and conversion, (v) electro/photocatalytic/corrosion activity, (vi) influence of microalloying and nanocrystallization on magnetic/electrical behavior, (vii) biostability, cell interactions, and antimicrobial properties, (viii) finite element modeling and molecular dynamics simulations of synthesis, processing, and chemical activity, and (ix) additive manufacturing, (x) miscellaneous properties on different length-scales of metallic glasses and their composites. Although mechanical properties and electron microscopy studies are not the main focus, combinatorial studies with the aforementioned topics are also welcome. For this Special Issue, we are looking forward to receiving regular research papers, reviews, and short communications.

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About the Journal

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.

Editor-in-Chief

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