Special Issue

Research on the Microstructure and Properties of Metal Alloys (2nd Edition)

Message from the Guest Editors

The purpose of the second volume of this Special Issue is to present the results of scientific research related to the study of metal alloy microstructures at various stages of their production and the properties of these materials.The properties of metallic alloys do not depend only on their chemical composition. The microstructure of an alloy also has a significant influence on the behavior of its products. Metallurgical technology begins with natural and recycled raw materials and uses melting and casting methods. Part of the metallurgical production is used in the as-cast state. Another part is further processed by various technological processes. These include various methods of metal forming, heat and thermochemical treatment, welding, sintering, and additive manufacturing.We invite you to share your latest results. Topics of interest include analyses of the microstructure and properties of alloys, their processing, the development and application of modern research, and modeling and simulation techniques. Review articles on related topics are welcome. We hope you will join us in developing this interesting area of research.

Guest Editors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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