



an Open Access Journal by MDPI

High Performance Nonferrous Alloys: Composition, Microstructure and Properties

Guest Editor:

Prof. Dr. Tomasz Czujko

Department of Advanced
Materials and Technologies,
Faculty of Advanced
Technologies and Chemistry,
Military University of Technology,
Gen. S. Kaliskiego 2, 00-908
Warsaw, Poland

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

Dear Colleagues,

The development of new nonferrous metallic constructive and functional materials with a desired structure results in beneficial combinations of mechanical properties and performance. Various thermo-mechanical treatments are widely used to produce metallic materials, with a preferred microstructure achieved owing to the diverse mechanisms of its evolution. The knowledge about the effect of the composition and applied techniques, as well as the processing window on the structural changes in the nonferrous alloys provides the development of manufacturing methods of structural materials with an enhanced performance. The aim of this Special Issue is to present the latest achievements in the theoretical and experimental investigations of the composition and microstructural changes in various nonferrous materials subjected to different processing methods, and of their performance. In conclusion, it is my pleasure to invite all researchers from the community of nonferrous metals and alloys to submit a manuscript in the field for this Special Issue.



mdpi.com/si/26947

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)