



materials



an Open Access Journal by MDPI

Metallic Materials: Structure Transition, Processing, Characterization and Applications

Guest Editor:

Prof. Dr. Jing Hu

School of Materials Science and Engineering, Changzhou University, Changzhou 213164, China

Deadline for manuscript submissions:

closed (20 October 2023)

Message from the Guest Editor

This Special Issue aims to publish scientific papers on the topic “Metallic Materials: Structure Transition, Processing, Characterization and Applications”. Contributions may include original scientific articles concerned with fundamental and applied aspects of research or direct applications of metallic materials.

This Special Issue will provide readers with up-to-date information on the recent progress in the structure transition, processing, characterization and applications of metals. Papers submitted to this journal are expected to be in line with the following aspects in processes, and properties/performance:

- Enhancing the properties of metals by advanced element design;
- Novel heat treatment technology;
- Novel surface modification technology;
- Novel methodologies for characterization of the microstructure and properties;
- Novel processing technology.

Manuscripts must be written in good English and contain a balanced and up-to-date reference list formatted according to the guide for authors.



mdpi.com/si/107947

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)