metals

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 5.3

Advanced Ti-Based Alloys

Guest Editor:

Prof. Dr. Claudio Aguilar
Departamento de Ingeniería Metalúrgica y Materiales, Universidad Técnica Federico Santa María, Valparaíso 2390123, Chile

Deadline for manuscript submissions:
closed (30 April 2022)

Message from the Guest Editor

Dear Colleagues,

Titanium and Ti-based alloys are widely used in engineering applications such as in the aerospace, biomedical, chemical, and nuclear industries, seeing that they have a high strength-to-weight ratio, excellent corrosion resistance, and negligible biological impact on the human body. In the aerospace field, it is forecasted that the use of Ti-based alloys per plane should increase within the next year due to their high creep and oxidation resistance, good formability, and good strength/density ratio. In the biomedical area, the use of Ti-based alloys will be increasing since they exhibit a slight biological impact on the human body, and human life expectancy is expected to rise rapidly. This Special Issue focuses on the research and development of Ti-based alloys and considers a wide range of topics stemming from the design theory of new alloys to applications.

metals

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Yong Zhang
Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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.

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), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/metals
metals@mdpi.com
𝕏@Metals_MDPI