



Advances in High-Strength Low-Alloy Steels

Guest Editors:

Dr. Zhenjia Xie

Collaborative Innovation Center of Steel Technology, University of Science and Technology Beijing, Beijing 100083, China

Dr. Xueda Li

School of Materials Science and Engineering, China University of Petroleum (East China), Qingdao 266580, China

Dr. Xiangliang Wan

Department of Metallurgy, Wuhan University of Science and Technology, Wuhan 430081, China

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

High-strength low-alloy steels are a kind of metal material with a large quantity and wide application. With the development of society and economy, as well as the strengthening of human awareness of environmental protection, more stringent requirements have been put forward for the performance of high-strength low-alloy steels. The performance not only pursues higher strength but also develops functional coupling materials, such as earthquake resistance, weather resistance, fire resistance, crack arrest, and so on. In view of these, this Special Issue entitled “Advances in High-Strength Low-Alloy Steels” has been launched. The purpose of this Special Issue is to organize information about the breakthrough of new material properties of high-strength low-alloy steels, new material and new technology, innovation in material characterization and theory, as well as the application of big data and artificial intelligence in the development and production of high-strength low-alloy steels.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

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 Editorial Board

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, 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](https://twitter.com/Metals_MDPI)