Special Issue

Advances in High-Strength Low-Alloy Steels (2nd Edition)

Message from the Guest Editors

With the development of society and economy, as well as the increasing human awareness of environmental protection, more stringent requirements have been put forward for the performance of high-strength low-alloy steels. Performance goals include higher strength but also the development of functional coupling materials for applications such as earthquake resistance, weather resistance, fire resistance, crack arrest, and so on. According to the different application requirements, new materials and new processes are emerging. Research and design methods are constantly innovating. Big data science and data mining, machine learning, and artificial intelligence are being used in the design and development of high-strength low-alloy steels. In view of these, this Special Issue entitled “Advances in High-Strength Low-Alloy Steels” has been launched.

Guest Editors

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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.

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