



Microstructure Evolution and Mechanical Properties of Steels

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Message from the Guest Editors

In recent times, with the continuous development of science and technology, the microstructure evolution and mechanical properties of steel have gradually become one of the hot research topics in materials science. Scholars use many characterization techniques to observe and analyze the microstructure of steel, analyze the mechanism of its formation and evolution, and establish the relationship between microstructures and mechanical properties. In addition, scholars also regulate the microstructure of steel through some methods, such as heat treatment, adding alloying elements, processing deformation, etc., to obtain steel with better properties. Of course, there are many processing methods for steel, including but not limited to traditional casting, welding, and emerging additive manufacturing technology. It also requires a deeper study of steel's microstructure and mechanical properties, such as its high-temperature mechanical properties, dynamic mechanical properties, and microstructure evolution. This Special Issue on Microstructure Evolution and Mechanical Properties of Steels is dedicated to further enriching and perfecting the data and theories in this field.





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Message from the Editor-in-Chief

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