

Special Issue

Microstructure and Mechanical Properties of Steel

Message from the Guest Editor

As the most used metal material in the world, steel supports our industry and life. With the progress of industrial technology, the demand for key components for steel, especially special steel, is increasing. Therefore, it is imperative to study steel with new alloy composition, processing technology, microstructure and mechanical properties for strict service conditions. In recent years, great results have been obtained in steel research by ultra-pure metallurgy, supernormal preparation, microstructure modification and grain boundary construction. However, there are still many interesting problems to be solved in steel microstructure modification and supernormal mechanical properties. In this Special Issue, modern trends of steel, including the smelting, processing, microstructure, mechanical properties and so on, are highlighted and discussed. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

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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.

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