

Special Issue

Recent Advances on Mechanical Properties and Microstructural Features of Alloy/Steel

Message from the Guest Editor

Dear colleagues, The modern development of science and technology makes high demands on the mechanical behavior of alloys/steels. The mechanical behavior of metallic materials is directly related to the structural and phase transformations that take place in them. As a result of deformation, thermal, and other effects on alloys/steels, various structural features can be observed in them, affecting mechanical behavior. Modern methods for studying structure and properties have made it possible to discover interesting features—for example, the segregation of grain boundaries in steels and other alloys, the special character of grain boundaries under severe plastic deformation, etc. This Special Issue focuses on recent studies of the structural features and mechanical behavior of alloys/steels.

Guest Editor

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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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