Special Issue

Damage and Mechanical Properties of Steels

Message from the Guest Editor

Wear (damage to mechanical components caused by wear and fatigue) is considered to be an important issue for mechanical engineers and materials scientists. It is important to understand the different types of mechanical and chemical damages, which are usually thought of as gradual deterioration. This Special Issue outlines research based on improvement in damage, wear, and fatigue of steels and also assesses some synergetic damage, wear, and fatigue mechanisms. We invite researchers from around the world to submit original research papers and review articles on the improvements in damage, wear, and fatigue performances of steels by controlling the mechanical properties and microstructure using different methods. Both experimental and analytical case studies related to damage, wear, and fatigue of steels are very 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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