

Special Issue

Mechanical Behavior of Advanced High-Strength Alloys

Message from the Guest Editors

This Special Issue focuses on recent progress in understanding the mechanical behavior of advanced high-strength alloys. We welcome contributions addressing the following:

- The mechanical properties and behaviors of high-strength alloys;
- The fundamental mechanisms governing the mechanical performance of high-strength alloys;
- The fracture initiation and propagation mechanisms of high-strength alloys;
- Structure–property relationships across multiple length scales in high-strength alloys;
- Innovative processing–structure–property optimization strategies in high-strength alloys;
- Emerging characterization techniques for the mechanical analysis of high-strength alloys.

Guest Editors

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Dr. Xiaodi Wang

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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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