Special Issue

Fatigue, Damage and Fracture of Alloys

Message from the Guest Editors

We are delighted to invite you to contribute to this upcoming Special Issue titled "Fatigue, Damage and Fracture of Alloys". This Special Issue aims to compile the latest advancements and findings in the field, providing a comprehensive overview of current research trends and future directions. The field of the fatigue, fracture, and damage of alloys is crucial to numerous industries, including energy, aerospace, automotive, and structural engineering. Understanding the mechanisms and factors that influence these phenomena is essential for improving material performance and ensuring the safety and reliability of critical components. This Special Issue will cover a wide range of topics, including, but not limited to, low-cycle fatigue, high-cycle fatigue, thermomechanical fatigue, experimental investigations, theoretical modeling, and computational simulations. Contributions in the following categories will be considered for publication: original high-quality research papers, short communications, and review articles.

Guest Editors

Dr. Bingbing Li
Dr. Yajing Li
Dr. Peirong Ren

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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