

Special Issue

Fracture and Fatigue in Metals and Alloys

Message from the Guest Editors

Fatigue and fracture are the main failure forms in material service. The research on fatigue and fracture involves important industries and key fields such as material research and development, mechanical manufacturing, modern transportation, infrastructure construction, petrochemicals, and aerospace. Therefore, the purpose of this Special Issue is to share the latest technological achievements and jointly explore the hot and difficult issues in the field of fatigue and fracture. In this Special Issue, the following areas are fully considered: fatigue and fracture mechanics, fatigue and fracture micro-mechanisms, failure theory research of materials and structures, fatigue of steel used for basic parts, damage failure and life prediction of equipment in the whole life cycle, fatigue and fracture engineering application in key industries, fatigue chemical coupling failure mechanism and prevention and control, new progress and new technology in the field of fatigue and fracture, etc.

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Guest Editors

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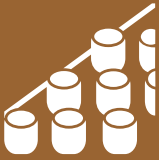


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Message from the Editorial Board

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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