Special Issue

Study on Cyclic Mechanical Behaviors of Materials – 2nd Edition

Message from the Guest Editors

The increasing demand for high-performance construction materials evokes the development of adequate constitutive modelling, as well as the appropriate predictions of overall failure mechanisms under complex thermo-mechanical loads. Fatigue, resulting from cyclic loading, is one of the most common and important phenomenon encountered in mechanical structures for different industrial applications. A correct prediction of this phenomenon is usually closely related to safety in addition to economic aspects. This Special Issue aims to present the latest achievements in the field of fatigue. We invite researchers to submit original research papers and review articles on the cyclic behaviours of various materials, including metals and geomaterials. Both experimental and theoretical studies related to different aspects of fatigue are warmly welcome.

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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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