

Special Issue

Fatigue Behavior in Metals and Alloys

Message from the Guest Editors

Fatigue, wear, and corrosion are three main failure modes of materials, among which fatigue fracture is a common failure mode. When the material or structural parts reach the fatigue stage, there is no indication in the form of significant deformation or a sudden fracture, which makes overhaul and maintenance more difficult and often leads to the occurrence of major accidents. Material fatigue is closely related to various application fields of modern engineering technology, involving material science, mechanical design, mechanics, metal physics, applied mathematics, and many other disciplines. With the increasing requirement of modern engineering technology for component reliability, fatigue behavior research and anti-fatigue design and application will remain in a core and key position for a long time.

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Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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