Special Issue

Preparation, Microstructure and Mechanical Properties of Tungsten Alloy

Message from the Guest Editors

Tungsten alloy materials composed of pure tungsten, alloying elements, and additional phases exhibit excellent room temperature and high-temperature mechanical properties, high electrical conductivity, high thermal conductivity, and so on. Because of the complex service environment, there are greater challenges to material performance and component structure, which require material preparation methods and performance to develop in the direction of ultra-fined microstructure, ultra-high performance, and three-dimensional complex shapes. At present, tungsten alloy materials prepared using traditional methods have obvious shortcomings in terms of preparation technology and performance. Therefore, making breakthroughs in material design and preparation technology is key to realizing their application in the cutting-edge technology field.

Based on the above research hotspots, Crystals invites scholars in related fields to submit to a Special Issue on "Tungsten Alloy Preparation, Microstructure, and Properties". This Special Issue aims to introduce the design, preparation, performance characterization, and application of new tungsten alloys.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

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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