



## Preparation, Microstructure and Mechanical Properties of Tungsten Alloy

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Deadline for manuscript submissions:

**closed (30 June 2023)**

### Message from the Guest Editors

Dear Colleagues,

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.





## Editor-in-Chief

## Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

*Crystals* is a good platform for dissemination of knowledge in this area.

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