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Recent Advances in Refractory High Entropy Alloys

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Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editors

This Special Issue aims to include the recent progress in the development, deformation mechanisms, functional properties as well as the applications of RHEAs, especially tungsten-containing RHEAs. All original research work and review articles related to the following aspects are welcome and appreciated:

- Design and development of new RHEAs;
- Mechanical properties and deformation mechanisms of RHEAs;
- Functional properties of RHEAs, such as oxidation, corrosion and irradiation resistance;
- Fabrication and processing of RHEAs;
- Development, characterization, processing and application of tungsten alloys;
- Advances in other refractory alloys and HEAs.



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Special Issue



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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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