Special Issue

Advances in High Entropy Alloys and High Entropy Carbides: Microstructural and Mechanical Properties and Modeling

Message from the Guest Editors

This Special Issue aims to publish scientific papers on the topic “Advances in High-Entropy Alloys and High-Entropy Carbides: Microstructural and Mechanical Properties and Modeling”. Contributions may include original scientific articles or review articles concerned with fundamental and applied aspects of research or direct applications of high-entropy alloys (HEAs) and high-entropy carbides (HECs). This Special Issue will provide readers with up-to-date information on recent progress in microstructural, mechanical properties and modeling of HEAs and HECs. Papers submitted to this journal are expected to be in line with the following aspects:

- Fabrication, characterization, and processing of HEAs and HECs;
- Atomic structure and computational simulation of HEAs and HECs;
- Mechanical properties and fracture mechanism of HEAs and HECs;
- Rules of the phase formation in HEAs and HECs;
- Special HEAs and HECs under extreme environments (refractory, rare earth, high or low temperature, high strain rate, irradiation).

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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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