Special Issue

High-Entropy Materials: Preparation, Properties and Applications

Message from the Guest Editor

The scope of the Special Issue publish research related to the theoretical and experimental studies related to the high entropy alloys, high entropy ceramics, high entropy composites, etc. All kinds of functionality can be investigated, including mechanical, chemical, electronic, magnetic, and optical properties. Material characterization techniques such as electron microscopy, X-ray diffraction, calorimetry, nuclear microscopy and spectroscopy, laser technology, optical fibers, Rutherford backscattering, and neutron diffraction could be used to analyze the material property. The main goal is to promote the industrial application of high-entropy alloys, reduce the cost of high-entropy alloys, and provide new materials for aerospace, microelectronics and other fields.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/122711

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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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