Special Issue

Multi-Functional High Entropy Alloys: From Design to Application

Message from the Guest Editors

The emergence of high-entropy alloys (HEAs), defined as multi-principal element alloys, has significantly increased the possibility of discovering new alloys via traditionally uncommon element grouping. The Special Issue on **Multi-Functional High-Entropy Alloys: From Design to Application** will cover, but will not be limited to, the following topics:

- Alloying/microstructure design;
- Hetero-structuring;
- Additive manufacturing;
- Load-bearing capacity;
- Dynamic behaviors or ballistic performance;
- Superplasticity;
- Corrosion resistance;
- Welding and joining;
- Industrial applications.

It is my pleasure to invite you to submit a manuscript for this Special Issue. We hope that the paper published in the Special Issue will advance our understanding of process–structure–property relationships in HEAs for future applications.

Guest Editors

Dr. Jeong Min Park
Department of Material Science and Engineering, Pohang University of Science and Technology (POSTECH), Pohang 37673, Korea

Dr. Jongun Moon
Department of Material Science and Engineering, Pohang University of Science and Technology (POSTECH), Pohang 37673, Korea

Deadline for manuscript submissions

closed (10 October 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/73010

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma
State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

MDPI