Special Issue

Medium-/High-Entropy and Multi-Principal-Element Materials

Message from the Guest Editor

I am very pleased to see that you, too, are becoming a critically important part of the extensive research activities worldwide that are related to so-called high-entropy alloys (HEAs). In recent years, our understanding of HEAs (comprising five or more chemical species) has shifted from the original idea of maximizing the configurational entropy in these materials towards exploring their unexpected complexity—the extent of which continues to be revealed. The recent inclusion of so-called medium-entropy alloys (MEAs) and relaxation of the condition of equiatomic amount of elements have reshaped the entire field, and these materials have become known as multiprincipal element alloys. Importantly, previously unknown and often unprecedented properties continue to be identified in these materials. These cover their functional (e.g., magnetic), mechanical, or other characteristics under different regimes involving, for example, low/high-temperatures, hydrostatic pressures, or other external stimuli. So, there is certainly a lot of space to include your own groundbreaking research!

Guest Editor

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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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