

Strong, Ductile and Corrosion-Resistant High-Entropy Alloys

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Message from the Collection Editors

Dear Colleagues,

This Special Issue plans to give an overview of the most recent advances in the mechanical properties and corrosion resistance of HEAs. This Special Issue aims to provide selected contributions on advances in the fabrication, characterization, and exploration in the strengthening, toughening, and corrosion-resistance mechanisms of HEAs. Potential topics include, but are not limited to the fabrication of bulk HEAs or high-entropy coatings; mechanical properties; strengthening mechanisms; corrosion resistance; passive films; and future perspectives for HEAs for applications in harsh environments.



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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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