

Special Issue

Metallic Multilayers: Structures, Growth and Properties

Message from the Guest Editors

This Special Issue aims to provide a state-of-the-art survey of the latest developments in the field of metallic multilayers that are comprised of metallic elements, multicomponent complex alloys, high-entropy alloys, shape memory alloys, or Heusler alloys. All synthesis methods for designing nano- and micro-scale multilayer films are considered. The scientific scope of the Special Issue encompasses the following topics:

- Correlation between microstructure and properties. Multilayers with specific mechanical, tribological, caloric, optical, electronic, biological, biomedical, or other functional properties are the focus. Studies exploring effects of the multilayer synthesis are welcome, as are those elucidating the influence of the multilayer structure.
- Transformational behavior is crucial and advanced approaches for its characterization, such as thermal analysis in combination with structural characterization, are considered.
- The multilayer performance on system level.
- Reports on the latest experimental observations and computational and simulation approaches are desired, as well as regular scientific contributions and review articles in the field.

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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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