

Special Issue

Application of Amorphous Alloys: Potential and Challenges to Overcome

Message from the Guest Editor

In the last three decades, amorphous alloys have received much attention as a new class of material, due to their unique properties and capabilities. In particular, their superior mechanical properties equip them with the potential for many new structural and engineering applications. Although inspiring achievements toward applications have been made for amorphous alloys, bridging such progress to products is hindered by some difficulties, including insufficient understanding of the physical origin of their properties, dimensional limits set by glass forming ability, relatively poor ductility, and difficulties in finding effective methods and conditions for processing/machining. Thus, a broader range of investigations to expand the potential for various applications and to develop a deeper understanding to overcome the challenges are of particular interest. Articles and reviews concerning the application of amorphous alloys are welcomed and invited for inclusion in this Special Issue.

Guest Editor

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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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