

Special Issue

Advanced and High Performance Metallic Foams

Message from the Guest Editor

It is my pleasure to invite you to publish your metallic foam-related research works in the Special Issue, 'Advanced and High-Performance Metallic Foams', of *Materials* as a full paper, short communication, or review. This Special Issue covers all types and aspects of metallic foams from design through production and intensive testing, including, but not limited to liquid- and solid-state and 3D additive production methods, blowing agents, foaming, macro-, meso-, and microstructures of foams, structural reverse engineering, modelling of metallic foams, quasi-static, dynamic and cyclic mechanical properties (compressive, tensile, and bending behavior, including blast protection and piercing) at room, elevated, or cryogenic temperature, mechanical damping, failure mechanisms and energy absorption of metallic foams, foam-filled structures and their mechanical stability, biocompatible foams, degradable and recyclable metallic foams, joining technologies (brazing, welding, gluing, etc.), forming of metallic foams, notch and hole sensitivity, applications and case studies.

Guest Editor

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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.

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