

Special Issue

Advanced Metal Matrix Composites: Design, Fabrication, and Characterization

Message from the Guest Editors

Recent decades have witnessed the rapid development of advanced metal matrix composites that have demonstrated significant application potential in the aerospace, aviation, automobile, and electric sectors, among others. This Special Issue will mainly focus on the recent developments in the field of metal matrix composites. The articles presented in this Special Issue will cover various topics ranging from but not limited to nanocomposites, CNT/graphene-reinforced metal matrix composites, fabrication technology, microstructure design, layer-structured composites, bimodal or multimodal grained composites, hybrid composites, performance, strengthening and deformation mechanisms, advanced characterization/testing methods, modeling, among others. Topics associated with the service performance and development of applications are also welcome. The keywords are as follows, but are not limit to:

- metal matrix composites
- advanced manufacturing technology
- microstructure design
- performance
- characterization and testing
- strengthening
- plastic deformation
- computer modeling

Guest Editors

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About the Journal

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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