Special Issue

Progress on Metal Matrix Composite: Design, Processing and Application

Message from the Guest Editors

Metal matrix composites (MMCs) have great application potential in space technology, aerospace, and automotive industry because of its excellent mechanical properties. Nowadays, MMCs are developed toward higher strength, good ductility or toughness, and multi-functional properties For this purpose, attempts have been focused on multi-scale and architecture design, novel fabrication methods, and so on. The aim of this Special Issue is to understand the basic principles of design, processing, and application, as well as new progress and findings in the fields of advanced MMCs. The articles presented in this Special Issue will cover various topics on MMCs, including, but not limited to:

- Multi scale and architecture design;
- Novel fabrication methods, advanced characterization techniques;
- Interface modification;
- Computer modeling and simulation for architecture, interface, and service performance;
- Corrosion, tribological, physical and mechanical behaviors;
- Understanding the relationship between microstructure and properties.

It is our pleasure to invite you to submit your article to this Special Issue.

Guest Editors

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About the Journal

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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