Special Issue

Study on Advanced Metal Matrix Composites

Message from the Guest Editors

In the past decade, attributed to the mature design theories, advanced fabrication methods and characterization techniques, the research and application of metal matrix composites have greatly advanced. The recent development in multi-scale hierarchical and bio-inspired design principles makes strong and tough metal matrix composites possible. The development of nano-materials and advance ceramics provides more reinforcements with specific performance. The continuous progress in characterization techniques reveals the relationships among the microstructure, processing and properties of the metal matrix composites, especially on a nano-scale level, and the sophisticated preparation methods of metal matrix composites bridge the fundamental theory and industrial application. This Special Issue aims at covering recent progress and new developments in relationships between the microstructure and mechanical/thermo-physical properties of advanced metal matrix composites. It is our pleasure to invite you to submit your exceptional manuscripts for publication in this Special Issue.

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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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