Special Issue

Study on Advanced Metal Matrix Composites (2nd Edition)

Message from the Guest Editors

Metal matrix composites are developed to meet the increasing demand for lightweight materials with superior mechanical properties in critical industrial sectors, such as automobile and aerospace. 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. 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. All aspects related to the theoretical design, numerical simulation, microstructure characterization, advanced fabrication, and strengthening mechanisms are covered. Review articles which describe the current state of the art are also welcomed.

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Deadline for manuscript submissions

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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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