



materials



an Open Access Journal by MDPI

Reinforced Metal Matrix Composites: Manufacturing, Characterization and Applications

Guest Editors:

Dr. Kun Zhang

1. Wide Range Flight Engineering Science and Applications Center, Institute of Mechanics, Chinese Academy of Sciences, Beijing 100190, China

2. Center of Materials Science and Optoelectronics Engineering, University of Chinese Academy of Sciences, Beijing 100049, China

Dr. Dandan Qu

Wide Range Flight Engineering Science and Applications Center, Institute of Mechanics, Chinese Academy of Sciences, Beijing 100190, China

Message from the Guest Editors

Dear Colleague,

I would like to invite you to submit your outstanding paper to the Special Issue “Reinforced Metal Matrix Composites: Manufacturing, Characterization and Applications”. As you know, the metal matrix composite has unique properties such as being easy to assemble and having high strength and surface functionalization. Tool kits, like the Materials Genome, also drive the progress of manufacturing and characterization of metal matrix composites, with the ultimate goal of design and editing. For example, some types of fiber-reinforced metal may be easily fabricated via the metal infiltration process. Non-contact ultrasonic was introduced to examine the microscopic integrity of materials. We also found applications in deep space, deep sea, and the polar region. We hope to share our progress in this Special Issue.

Deadline for manuscript submissions:

closed (10 September 2024)



mdpi.com/si/192335

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)