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Research on Enhancing Properties of Aluminum-Based Materials

Guest Editors:

Prof. Dr. Longtao Jiang

Harbin Institute of Technology, Harbin, China

Dr. Zhenlong Chao

School of Materials Science and Engineering, Harbin Institute of Technology, Harbin 150001, China

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Message from the Guest Editors

The aluminum matrix composites (AMCs) have raised an enormous concern during the past several decades due to the corresponding high specific strength, high specific modulus, excellent dimensional stability, good wear resistance, etc. AMCs have broad application prospects in aerospace, electronic packaging, automobile, armor protection and other fields. How to improve the mechanical and functional properties of aluminum matrix composites through material design, microstructure control, and high-quality preparation is a crucial issue. For this reason, the present Special Issue "Research on Enhancing Properties of Aluminum-Based Materials" is proposed. This Special Issue aims to collect excellent studies on aluminum matrix composites from around the world, including but not limited to the preparation process, heat treatment, microstructure control and design, mechanical performance, microstructure characterization, electrical conductivity, thermal conductivity, ballistic performance, precipitate phase, interfaces, TEM, SEM, XRD and EBSD.













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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, OC H3A 0C7, Canada

Message from the Editor-in-Chief

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