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Functional Ceramics and Related Advanced Metal Matrix Composites

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Message from the Guest Editors

The goal of this Research Topic is to highlight recent developments in functional ceramics and related metal matrix composites with excellent thermal, electrical, magnetic properties such as high thermal conductivity, low thermal expansion, high electrical conductivity and giant magnetocaloric properties. All aspects related to the theoretical design, numerical simulation, microstructure characterization, advanced fabrication, and strengthening mechanisms are covered. We welcome high-quality original research and (mini)review articles.

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Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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