



metals



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Recent Developments in Aerospace Alloys

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Message from the Guest Editors

Metallic alloys used in aerospace construction form a class of materials that possess a great deal of variety in composition, properties, and applications that satisfy different requirements of lightweight, affordable cost, etc., and cover a range of service conditions, e.g., corrosion resistance, high-temperature stability under the conditions of oxidation and creep, fatigue resistance, stability of residual stress due to processing, etc. There is a vast amount of the literature devoted to the characterization of these alloy systems that on the one hand presents valuable reference information for design, and on the other, documents the established and new experimental approaches.



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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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