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Plastic Deformation and Metal Plasticity

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Message from the Guest Editors

In this Special Issue, we welcome articles that focus on the preparation methods for advanced metallic materials, microstructural characterization for plastic deformation, the relationship between microstructure and mechanical properties, multi-scale simulation and constitutive modeling for plasticity, and deformation mechanism analysis in experiment and in theory. Plastic deformation and plasticity in extreme conditions is an area of particular interest, with potential for implementation of advanced metallic materials in high-performance products under extreme environments. To find out more information, please click on the Special Issue link below:

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Deadline for manuscript
submissions:

closed (30 June 2022)



mdpi.com/si/97659

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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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