Special Issue

Electromagnetic Processing of Metallic Materials

Message from the Guest Editors

To accommodate the recent significant progress in the emerging processing methods using electric fields, electric currents, electroshocks, magnetic pulses and electromagnetic fields, we hope to publish a Special Issue in *Metals* to present the most active research areas in the field and to show off the most recent scientific progress with regard to this topic. We believe that such a Special Issueis necessary for the research community to outline the frontline of current research and to inspire more fruitful ideas for the future. We are looking forward to receiving your papers on electropulsing processing, electric field sintering, solidification and materials behavior under an electromagnetic field, microstructural regeneration using an electromagnetic field, electroplasticity and health monitoring of structural materials and processing using electric, magnetic and electromagnetic methods. All the papers will be thoroughly reviewed following the independent procedures of this journal, just as would any submission.

Guest Editors

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Deadline for manuscript submissions

closed (1 March 2022)

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About the Journal

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.

Editors-in-Chief

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Journal Rank:

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2024).

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