Special Issue

Thermoelectric Compounds: Processing, Properties and Applications

Message from the Guest Editor

Thermoelectric compounds are an exciting category of materials that can convert a temperature gradient into electricity through the Seebeck effect. Thus, thermoelectric technology is promising for improving energy efficiency in environments where waste heat is produced (e.g. industrial processes, automotive exhaust, wearable items). The maximization of thermoelectric properties passes through the development of new materials and the optimization of the existing ones by means of reliable and affordable processing routes. This Special Issue will focus on

- the relationship between processing and properties of thermoelectric materials;
- the development of new thermoelectric compounds;
- case studies of thermoelectric applications.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

Dr. Alberto Castellero
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Deadline for manuscript submissions

closed (30 April 2020)

Metals

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Impact Factor 2.5
CiteScore 5.3

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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Yong Zhang
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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.7 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 2025).

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