Special Issue

Feature Papers in Metallic Functional Materials

Message from the Guest Editors

The classification between structural and functional materials is usually made via exclusion. Functional materials, on the other hand, have a more extended range of applications, since they encompass magnetic, electric, or optical properties (and often couplings between these), to mention just a few. In this sense, functional materials have a phenomenology that is much broader than that of structural materials, and the discovery of new applications would consequently expand the field, creating new subclasses. Therefore, the section of *Metals* 'Metallic Functional Materials', to which this Special Issue belongs, is open to a wide range of materials (with the obvious requirement of being metallic materials), an extended set of properties, and a diverse spectrum of applications. The focus of this Special Issue is on the development of new or optimized metallic functional materials, the advancement of modeling and simulation techniques that can predict their functional properties, experimental techniques related to the characterization of these properties, and novel applications that exploit the material's functionalities.

Guest Editors

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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.

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