

Special Issue

Magnetic Shape Memory Alloys

Message from the Guest Editors

Magnetic shape memory alloy is a kind of very important shape memory alloy, which has been well developed in the past twenty years. The research on this topic focused on magnetic field induced strain, giant magnetoresistance, magnetocaloric effect and elastocaloric effect, as well as the preparation method, improvement of smart property and material characterization related to magnetic shape memory alloy. Therefore, this is also the topic of the Special Issue. Papers in this scope or concerning the physical and mechanical properties of magnetic shape memory alloy are favourably received in this issue.

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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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