Special Issue

Studies of Magnetic Properties of Ferrite Particles

Message from the Guest Editor

Recently, interest in nanosized ferrite particles has significantly increased due to their importance in understanding the fundamentals in nanomagnetism. Novel magnetic behaviors are perceived for the nanosized magnetic particles when compared to that of the bulk counterparts. High magnetocrystalline anisotropy and good chemical stability has completed ferrite NPs, a very promising candidate for diverse applications as in magnetic drug delivery to magnetic recording applications such as audio and video tape and high density digital recording discs. In this Special Issue, we welcome articles that focus on magnetic properties of ferrite and ferrite based Particles and their applications in different fields. Fully controllable fast and low-cost processes especially remain of interest, with a high implementation potential in advanced aplications that allows producing high-performance NPs.

Guest Editor

Dr. Mahmood Barani

Medical Mycology and Bacteriology Research Center, Kerman University of Medical Sciences, Kerman 7616913555, Iran

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Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

mdpi.com/journal/ metals





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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

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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