Special Issue

Research in Structural and Magnetic Properties of Ferromagnetic Materials

Message from the Guest Editor

Ferrites are among the most important classes of magnetic materials. Because of the wide field of their potential applications, they have been studied intensively for many years. Depending on their magnetic properties, they are generally divided into two types—magnetically soft ferrites and magnetically hard ferrites. In recent years, a sizable part of studies have been focused on observing the magnetoelectric effect in some ferrites and clarifying the phenomenon of multiferroism. This Special Issue aims to present recent advances in the synthesis and investigation of the structural and magnetic properties of ferrite materials. Special attention will be given to novel trends in the techniques of synthesis and to revealing new properties and finding new applications of soft and hard magnetic ferrites. Reports are welcomed on new results concerning the structural and magnetic properties of different types of ferrites in powder and bulk form, or as composites and thin or thick films. The Special Issue is open to articles (reviews or original manuscripts) dealing with experimental and theoretical research on ferrite materials.

Guest Editor

Dr. Tatyana Koutzarova
Institute of Electronics Bulgarian Academy of Sciences, Sofia, Bulgaria

Deadline for manuscript submissions

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Materials
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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