Special Issue

Structures and Magnetic Properties of Nanostructured Permanent Magnets

Message from the Guest Editors

It is well known that permanent magnets have been applied in all kinds of fields, and their structures and magnetic properties have been investigated for decades, especially in the search for new compounds with excellent intrinsic magnetic properties as a matrix of permanent magnets. In recent years, the use of various preparation methods has resulted in the development of nanostructured permanent magnets with physical phenomena and mechanism that differ greatly from their related bulk materials, such as exchange coupling between hard and soft phases, coercivity mechanisms, and magnetic domain evolution processes, to name but a few. To further enhance the magnetic properties and establish clear physical mechanisms in nanostructured permanent magnets, much effort and research is still required. The aim of the present Special Issue is to encourage scientists from different fields to report about their newest findings in the form of original papers, review articles, or short communications. We look forward to receiving your submission.

Guest Editors

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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.

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