

Special Issue

Fabrication and Characterization of Nanostructured Magnetic Materials

Message from the Guest Editor

The flourish of the field of nanostructured magnetic materials has been accomplished by the use of precise preparation and characterization techniques. These materials have boosted technological advances because new and compelling properties are the result of the artificial structure. Some of them are due to physical phenomena at the surface or interface of the magnetic materials with other species; other important properties are sustained by the strain induced in the magnetic structure by the underlying substrate. This issue is focused on the magnetic properties observed in nanostructured materials with interest in technological applications. Some topics of current interest are thin-film multiferroic heterostructures, magnetic quasiparticles, antiferromagnetic and ferrimagnetic systems, and spintronics.

Guest Editor

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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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