Special Issue

Superparamagnetic Materials

Message from the Guest Editors

Superparamagnetic materials, composed of very small magnetic grains or nanoparticles, have been gaining increasing interest, especially for biomedical technologies. The interest has been stimulated by their numerous promising applications, such as in anticancer magnetic hyperthermia, magnetofection, magnetic resonance imaging, and also in the form of ferrofluids that may be used for liquid seals, efficient heat transfer and damping. In this Special Issue, we are calling for papers that report on the synthesis and characterization of superparamagnetic materials focusing on recent advances from fundamental research to applications. Original papers, as well as critical reviews, are very welcome. For more details, please click here: http://www.mdpi.com/journal/materials/special_issues/superparamagnetic_materials

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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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