Special Issue

Magnetic Compounds: From Fundamentals to Applications

Message from the Guest Editor

Previously, only those materials that exhibited ferromagnetic or ferrimagnetic properties were considered as “magnetic.” In contrast, now, many compounds with diamagnetic, paramagnetic, and ferromagnetic properties are also been put into the concept of magnetic materials and widely investigated as well.

At this moment, it is difficult to imagine a world without magnetic compounds. However, we have to admit that some fundamental problems related to magnetism or magnetic materials have still not been generally solved, even if we claim to be very “familiar” with them. From this perspective, the main focus of the forthcoming Special Issue is to publish some of the latest research points and understandings related to the physical mechanisms involved in magnetic compounds, and the development of their novel applications, as well as explorations beyond that.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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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