Special Issue

Magnetic Functional Materials: Synthesis, Characterization and Application

Message from the Guest Editors

In the contemporary information society, energy, information and materials are the important foundation of production, life and high technology. Magnetic functional materials are widely used in energy, information and materials science and technology. There are many kinds of magnetic functional materials, and their progress is rapid. Magnetic functional materials have attracted a great deal of attention regarding their applications. Magnetic behaviors are widespread in a variety of materials, such as metals, ceramics, organics, and emerging 2D materials. Applications of magnetic materials include memories, sensors, magnetic refrigeration, drug delivery, NMR, electrochemistry, environmental protection, energy storage, and more. Magnetic functional materials are a hot topic. Keywords

- magnetic functional materials
- materials fabrication and characterization
- magnetic refrigeration
- permanent magnets
- memories and sensors
- environmental protection
- devices based on magnetic 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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