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Magnetic Functional Materials: Synthesis, Characterization and Application

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Message from the Guest Editors

Dear Colleagues,

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

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