Special Issue

Magnetic Multiferroics

Message from the Guest Editor

The ferroelectricity, (anti)ferromagnetism, and ferroelasticity of multiferroics are fascinating objects for fundamental and experimental studies as well as technological applications due to complex coupling between ferroic properties. The recently discovered possibility to affect their structural state and functional properties via external stimuli and synthesis conditions opens up new perspectives in the area of technological applications.

This issue aims to summarize recent advances in single phase and composite multiferroics focusing on their structure–property relations with special attention to magnetic properties. Contributions include but are not limited to the following topics: synthesis, processing, theoretical, and experimental methods to study the structure and functional properties of multiferroics, domain wall phenomena, magnetoelectric coupling, magnetization and polarization switching, and applications of magnetic multiferroics. Keywords:

- multiferroics
- magnetoelectric materials
- (anti)ferromagnets
- magnetoelectric coupling
- functional properties
- crystal structure
- phase transitions

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Magnetochemistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties. *Magnetochemistry* is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

Editor-in-Chief

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