Special Issue

Multiferroic Materials 2021

Message from the Guest Editor

In recent years, research in multiferroic materials has resulted in significant advances and applications by elucidating the fundamental underpinnings of coupling using analytical, computational, and experimental approaches. Multiferroic materials may exhibit intrinsic or extrinsic coupling between strain, electrical, and magnetic energies due to complex interactions between different ferroic-order parameters. Nonetheless, new advances continue to be reported in the synthesis, characterization, modeling, optimization, and reliability of multiferroic materials and devices based on these materials. This Special Issue of *Magnetochemistry*, entitled "Multiferroic Materials 2021", seeks to attract a trans-disciplinary readership by covering the recent progress in:

- multiscale modeling and simulation;
- multiscale fabrication and characterization;
- synthesis of novel intrinsic and composite materials;
- novel sensing, actuation, and communication devices;
- new coupling mechanisms, including electric, magnetic, mechanical, optical, and thermal;
- in situ, multi-field characterization;
- coupling and switching dynamics.

Guest Editor

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Message from the Editor-in-Chief

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