



Magnetolectric Materials

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Message from the Guest Editors

Dear Colleagues,

Multiferroic materials, which have two or more ferroic orders, such as ferroelectricity, ferromagnetism, and ferroelasticity, have gained more interest in the world of novel multifunctional materials due to the interaction between spin and charge. The magnetolectric (ME) effect is the coupling between polarization (P) and magnetization (M).

With the development of nanoscience, magnetolectric materials based on metals, oxides, semiconductors and their combinations have attracted more research attention. Developing novel magnetolectric materials has become the focus of research fields, including the development of materials, sensors, and biomedical applications. It is still necessary to be solved for practical applications are performance improvement, in-depth understanding of the physical and chemical properties.

This Special Issue will discuss the directions of magnetolectric materials development focusing on design, synthesis, characterization, theoretical description, recent developments in single-phase, composite form and their applications.

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Special Issue



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Message from the Editor-in-Chief

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