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Advances in Ferro/Piezoelectric and Multiferroic Materials

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Message from the Guest Editors

Dear Colleagues,

Ferroic materials, including ferroelectric, ferroelastic, ferromagnetic, and multiferroic materials, have broad applications in modern electronic industries, due to their rich electrical, mechanical, magnetic, and magnetoelectric coupling, piezoelectric coupling, and piezomagnetic coupling properties. For example, ferroelectric and magnetic materials play a role in information storage, based on the switching of domains. Piezoelectric materials can be used as sensors/actuators/energy harvesters, based on their piezoelectric properties. Multiferroic materials can simultaneously exhibit ferroelectric and (anti-)ferromagnetic order. Benefitting from their unique magnetoelectric coupling effect, multiferroic materials demonstrate a wide range of application prospects in the fields of new magnetoelectric sensing and high-performance information storage.

This Special Issue, entitled “Advances in Ferro/Piezoelectric and Multiferroic Materials,” aims to collect the most recent advances in ferroic materials and their novel applications in different fields of interest.

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Message from the Editor-in-Chief

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