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Ferroelectric, Magnetic, and Multiferroic Materials and Applications

Guest Editors:

Dr. Ming Zheng
School of Materials Science and Physics, China University of Mining and Technology, Xuzhou 221116, China

Dr. Hao Ni
College of Science, China University of Petroleum (east china), Qingdao 266580, China

Dr. Yaping Qi
Advanced Institute for Materials Research (WPI-AIMR), Tohoku University

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Message from the Guest Editors

Dear Colleagues,

Ferroelectric materials, including piezoelectric materials, electro-optical crystals, etc., are widely used in memory, converters, detectors, and so on. Magnetic materials use their various magnetic properties and special effects to make components or devices for storing, transmitting, and converting electromagnetic energy and information. Multiferroic materials can realize the mutual coupling of multiple physical fields such as force, electricity, and magnetism, and have important application prospects in the field of low-power magnetoelectric devices and storage. This issue aims to collect the most recent advances in ferroic ceramics and thin films, and their new applications in energy storage, sensing, information storage, and more.

In this Special Issue, we would like to welcome all contributions from this broad field, including, but not limited to, the following topics:

- Ferroelectric, piezoelectric, and dielectric materials;
- Magnetism and magnetic materials;
- Multiferroic and magnetoelectric materials;
- Recent advances in ferroic ceramics and thin films technology and applications in energy storage and memory, etc.

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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Materials_Mdpi