Special Issue

Magnetoelectric Composites and Sensing Applications

Message from the Guest Editor

This Special Issue aims to bring together the latest research results and cutting-edge advances in the design, preparation, characterization, and sensing applications of magnetoelectric composites. The focus is on multi-scale structure modulation, interfacial coupling mechanisms, performance optimization strategies, and their innovative applications in high-sensitivity, low-power, miniaturized, and multifunctional integrated sensors. We welcome original research papers, reviews, and manuscripts presenting forward-looking perspectives on topics including, but not limited to, the following directions:

- Design of new magneto-electric composite materials;
- Magneto-electric coupling mechanism and performance optimization;
- Innovative application scenario expansion;
- Flexible/stretchable magnetoelectric material;
- Biocompatible magneto-electric composites;
- High-sensitivity magnetic sensors;
- Multi-physical field-coupled sensors (magnetic–electrical–force–thermal).

Guest Editor

Dr. Chong Lei

National Key Laboratory of Advanced Micro and Nano Manufacture Technology, Department of Micro-Nano Electronics, School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
magnetochemistry@mdpi.com

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Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Carlos J. Gómez García
Department of Inorganic Chemistry, Faculty of Chemistry, University of Valencia, C/Dr. Moliner 50, 46100 Burjasot, Spain

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