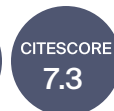




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Advanced Magnetoelectric Sensors: Materials, Design and Applications

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Deadline for manuscript submissions:

closed (31 May 2024)

Message from the Guest Editors

Magnetoelectric (ME) sensors based on piezoelectric/ferromagnetic ME composites have gained attention for futuristic device applications due to their low cost, easy fabrication, high sensitivity, and room temperature operation. This Special Issue aims to highlight the current advances in the field of magnetoelectric sensors, including but not limited to the following topics:

- New magnetoelectric composite materials;
- Novel fabrication processes for magnetoelectric sensors;
- Nano/micro-electromechanical systems (N/MEMSs) acoustic resonator-based magnetoelectric sensors;
- Theory, modeling, and optimization of magnetoelectric sensors;
- Magnetoelectric current sensors, self-powered sensors;
- Magnetoelectric energy harvesters;
- Signal modulation and delta-E (ΔE) effect-based magnetoelectric sensors;
- Noise analysis of magnetoelectric sensors and readout systems.



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Special Issue



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Message from the Editor-in-Chief

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