



Property and Structure Optimization of Piezoelectric Materials

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Deadline for manuscript
submissions:

closed (10 October 2023)

Message from the Guest Editors

Dear Colleagues,

Piezoelectric materials have been widely used in a variety of applications, for example, as actuators, pressure sensors, and ultrasonic transducers. They are one of the key energy materials which can be used to carry out the conversion of mechanical energy to electric energy. Within this research field, the performance of lead-free piezoelectric material is one of the central issues. To increase the performance, it is necessary to acquire more fundamental insights into the microscopic origin of properties and the optimization of material on process, properties, and structure. In the future, developments in the piezoelectric materials field can be expected to be driven by the optimization of their properties and structure. In particular, the multifunctional properties and high performance resulting from controlling microstructure may enable new functionalities. This Special Issue aims to expand upon our understanding of piezoelectric materials, with insights based on new processes, theories about their properties, optimization of properties and structure, etc.





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Message from the Editor-in-Chief

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