Special Issue

Emerging Dielectric, Piezoelectric and Ferroelectric Ceramic and Crystalline Materials and Their Applications

Message from the Guest Editors

Advanced ceramic materials today enable applications that were virtually unimaginable just yesterday. Because of their unique material properties, ceramics are considered one of the most efficient materials of our time. Ceramic dielectric materials are used to manufacture microelectronic devices. Piezoelectric elements have been used for many years in radio electronics and microprocessor devices. Ferroelectric materials are widely used in various devices, such as memory elements, piezoelectric/electrostrictive transducers and actuators, pyroelectric infrared detectors, optical integrated circuits, and optical display devices. In this call, we welcome contributions in the field of the latest developments in advanced dielectric, piezoelectric and ferroelectric materials, high strain high performance piezo- and ferroelectric ceramics, novel processing and new materials, and novel properties of ferroelectrics and related materials. Scientists working in a wide range of disciplines are invited to contribute to this issue.

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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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