Special Issue

Advances in Synthesis and Characterization of Dielectric Ceramics

Message from the Guest Editor

Several technological breakthroughs would not have been possible without significant advances in ceramic materials. Some of the most exciting developments have been in the design and synthesis of new ceramics. High dielectric-constant ceramics with ultra-low dielectric loss and high temperature stability are critical to the miniaturization of microwave communication systems, both for the terminals and base-stations, as well as for handsets. Piezoelectric ceramics become indispensable components in atomic-force microscopy, medical ultrasound technology, and autofocus cameras. Please view more details, including submission entrance ("Submit to Special Issue" option on the left side of the website), via the Special Issue website at:
https://www.mdpi.com/journal/materials/special_issues/synthesis_characterization_dielectirc_ceramics

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Deadline for manuscript submissions

closed (20 September 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
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mdpi.com/si/111085

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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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