Special Issue

Advanced Dielectric Ceramics (2nd Edition)

Message from the Guest Editors

Advanced dielectric ceramics are known as high-performance ceramics, fine ceramics, high-tech ceramics, etc., through the use of high-purity, ultra-fine, synthetic, or selected inorganic compounds as raw materials. Advanced dielectric ceramics have excellent characteristics in relation to mechanics, sound, light, heat, electricity, and biology. Advanced ceramics are different from traditional ceramics in terms of raw materials and technology. Their specific fine structure enables them to have a series of advantages, such as high strength, high hardness, wear resistance, corrosion resistance, high temperature resistance, insulation, superconductivity, biocompatibility, etc. As such, they are widely used in national defense, the chemical industry, metallurgy, electronics, machinery, aviation, aerospace, biomedicine, etc. In the future, we expect the development of advanced ceramics to be promoted through the implementation of combined synthesis methods and new processing technologies. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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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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