Special Issue

Structures, Properties, and Phase Transition in Dielectric Ceramics

Message from the Guest Editors

Dielectric ceramics are an important material widely applied in the fields of electronics and energy for capacitive energy storage, electrostriction, electrocaloric cooling, etc. Their structure, phase transition, and dielectric mechanism are crucial to achieving high-performance dielectric ceramics with high breakdown strength, high permittivity, low loss, and a wide operating temperature range. Characterizing structure and phase transition and evaluating its properties are significant to developing dielectric ceramics. In order to promote academic exchanges, *Materials* plans to launch a Special Issue entitled "Structures, Properties, and Phase Transition in Dielectric Ceramics". This Special Issue aims to provide a unique international forum for researchers working in dielectric ceramics to report their latest endeavors to advance this field, including new pristine dielectric ceramics, strategies used to improve dielectric properties, dielectric mechanisms, the structures and phase transition of dielectric ceramics, the discovery of new dielectric ceramics, and so on. We will solicit high-level research papers and reviews globally.

Guest Editors

Prof. Dr. Xinghua Zheng

Institute of Advanced Ceramics, College of Materials Science and Engineering, Fuzhou University, 2 Xueyuan Road, University Town, Fuzhou 350108, China

Dr. Hao Li

College of Electrical and Information Engineering, Hunan University, 410082, Changsha, China

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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