Special Issue

New Trends in Ferroelectric Nanocomposites Materials: Characterization, Properties and Applications

Message from the Guest Editors

Nowadays, the development of ferroelectric nanocomposite materials, including polymer-inorganic, multiferroic, or ferroelectric-relaxor composites is attracting a considerable interest. The combination of different phases not only results in an improvement in the functional properties of the components, but can also lead to emergence new synergetic functionalities. Ferroelectric composites find applications in actuators, sensors, energy storage and harvesting devices, energy converters, memory elements, etc. This Special Issue of *Materials* aims to highlight and summarize recent trends in synthesis, properties, and applications of ferroelectric nanocomposites. Different kinds of composites: polymer-inorganic, multiferroic, ceramic-ceramic, etc. with various connectivity (3-0, 3-3, 3-1, 2-2) are covered. Contributions in the areas of experimental studies and theoretical modelling, macroscopic and nanoscale characterization of these materials as well as development of devices based on them are welcomed.

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Message from the Editorial Board

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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