Special Issue

Low k Dielectic Materials

Message from the Guest Editor

For Low k dielectric materials, the value of dielectric constant is less than the dielectric constant of silicon dioxide. Such materials are of great importance for multi-level interconnections of nanoelectronics and radio frequency (RF) devices and circuits. Other applications include optoelectronics, 3-D integrated circuits, microelectromechanical systems (MEMS), nanoelectromechanical (NEMS), sensors and detectors and packaging of various types of devices and circuits. All topics related to synthesis, and properties of low-k dielectrics, various processing techniques, process integration, performance and reliability of low-K based devices, circuits and systems are of interest for this journal issue.

Guest Editor

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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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