Special Issue

Metal Oxide Nanostructure for Solid-State Electronics and Sensors

Message from the Guest Editors

Metal oxide materials have been very important for various applications for many decades. Particularly, during the last two decades, research on different aspects of nanomaterials and nanocomposites of metal oxides has been very active. The nanocomposites of metal oxides, including inorganic and organic hybrids for electronics, and electrochemical energy conversion applications, are highly investigated. Therefore, this Special Issue is focused on a broad readership and audience for easy access to the current progress in these active nanomaterials for diverse applications. Importantly, metal oxide nanostructures used in the development of sensitive and selective biosensors, as well as future directions in this field, will be encouraged. Critical review articles and excellent research findings from experts and scientists in the field of metal oxide nanostructures used in the field of solid state electronics and sensor technology are highly welcome in this Special Issue of *Materials*. This is not an exhaustive list of topics, and interesting research articles related to metal oxide synthesis, characterization and new applications will also be covered in this Special Issue.

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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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