Special Issue

Sensitive Materials for Advanced Sensing Technology

Message from the Guest Editors

Sensitive materials and sensing technology are at the interface of human society and the physical world. The unique compositions and structures render these materials responsive to ambient stimuli, such as chemical, light, temperature, electric voltage or current, mechanical stress, magnetic field, etc. Additionally, sensing technology offers various methods of utilizing these materials in solving the analytical problems of medicine, environment, food, industries, and security. The newly emerging nanotechnology and multidisciplinary intersection provide new opportunities in sensitive materials and sensing technology. The scope of this Special Issue encompasses but is not limited to:

- The design and synthesis of sensitive materials with novel sensing properties;
- The design, fabrication, and optimization of (bio)sensors with an outstanding sensing performance;
- Novel (bio)sensing concepts, mechanisms, and detection methods;
- Advances of instrumental analysis, lab-on-a-chip, nanopores, etc.

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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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