Special Issue

Nanomaterials in Sensors

Message from the Guest Editor

This special issue of *Nanomaterials* will explore the use of nanomaterials in the development of new sensing materials and sensing devices. Nanoscale materials offer new, size-dependent properties in comparison to bulk samples of the same materials. These properties, *i.e.*, electrical conductance, magnetic response, chemical interactions, in combination with the physical size of the materials provide new opportunities to provide sensitive and specific sensing of gases and liquids.

This issue will include reports on new materials, the characterization of nanomaterials to be applied to sensing, the development of sensing systems employing nanomaterials and applications of nanomaterials to the detection of specific chemical species.

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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