

Special Issue

Nanostructured Materials Systems for Optical Sensing

Message from the Guest Editor

Nanotechnology has demonstrated great potential in the preparation of new nanostructured materials with different properties, new functions, and added value. Numerous studies have been carried out with the aim to improve the properties and performance of optical functional materials through the application of nanocomposites, metallic nanoparticles or carbon materials. Over the last decade, optical-sensing-based nanostructured materials have arisen as a key research topic in both fundamental and applied sciences. It is known that the optical response of nanostructured materials depends on their environment, namely, pressure, temperature, pH, and humidity, resulting in sensor materials with increased sensitivities, multiplexing capabilities, and high efficiency in detecting and monitoring chemical or biological molecules. This Special Issue is addressed at all types of nanostructured materials that can be applied in optical sensing and detection of biomolecules, aiming to collect the latest trends and progress in the field of “Nanostructured Materials for Optical Sensing”.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2024)



Sensors

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Impact Factor 3.5
CiteScore 8.2
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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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