

Special Issue

The Nanocomposites-Based Sensors

Message from the Guest Editors

The evolution of sensor engineering has resulted in spectacular developments over the years in many existing and emerging applications, including robotic technologies, human-machine interfacing, bioelectronic devices, and electronics skins. Owing to their unique and fascinating properties, nanocomposite-based sensors (NCSs) have been extensively studied in recent years. NCSs can be synthesized with several different approaches, thus allowing the realization of various novel chemical and biological sensors. Nanocomposites used in the fabrication of NCSs have been synthesized in various combinations, such as conductive polymers with graphene (Grp), carbon nanotubes (CNTs), and metal nanoparticles. This Special Issue will cover recent applications based on NCSs for the fabrication of electrochemical sensors, biosensors, immunosensors, aptamer sensors, flexible sensors, strain sensors, electrochemical sensors, optical sensors, gas sensors, pressure sensors, glucose sensors, pH sensors, humidity sensors, ultrasonic sensors, and amperometric sensors.

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Deadline for manuscript submissions

closed (10 November 2021)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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Message from the Editor-in-Chief

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.

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