Special Issue

Graphene-Based Strain and Pressure Sensors

Message from the Guest Editors

In the last few years, the rapid progress of nanotechnology and nanoscience has undeniably favored the development of new materials for high-performance strain and pressure sensors which are attracting tremendous attention and investments due to the capabilities they are expected to enable in different fields of application. In particular, graphene, on account of its outstanding physical properties, has been used in different forms to develop novel highly sensitive, flexible, multifunctional, cost-effective strain/pressure sensors potentially exploitable for the health monitoring of complex structures, for physiological–biomechanical monitoring through wearable devices, and for the emerging electronic-skin and soft robotic technologies. This Special Issue aims to publish original research papers with a special focus on fabrication, characterization, modeling, and simulation of novel strain/pressure sensors in which graphene plays a fundamental role as sensing material, enables new functionalities, and/or contributes to enhance the sensor response.

Guest Editors

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Deadline for manuscript submissions

closed (1 December 2025)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/85173

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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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