

Special Issue

2D Materials for Sensor and Biosensor Applications

Message from the Guest Editor

The aim of this Special Issue is to assemble original research and reviews in the design of 2D-based materials, as well as the investigation of their structural and chemical properties for sensing and biosensing applications. This Special issue will go from the synthesis and the modification to the characterization and the application of 2D materials in sensor and biosensor fields. It will also tackle the design of different functional 2D materials with controlled chemical composition and the functionalization/modification of surfaces for the construction of sensor/biosensor devices. The design of flexible and stretchable sensors/biosensors will also be considered. All new concepts targeting the optimization of sensor and biosensor parameters by tailoring the structural properties and surface chemistry of 2D materials in order to achieve increased sensitivity, higher selectivity, and enhanced stability will be examined.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



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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.

Editor-in-Chief

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