

Special Issue

Two-Dimensional Materials for Sensors

Message from the Guest Editor

Two-dimensional materials such as graphene, MoS₂, and some layered chalcogenides can be fabricated into novel sensors using recent advanced techniques. These two-dimensional materials have been frequently used in the field of photodetectors, as well as gas sensors. In addition, heterostructures of these 2D materials exhibit interesting sensing and physical properties. This Special Issue will explore the novel properties of two-dimensional materials and their heterostructures in the field of sensors. Topics of interest for this Special Issue include, but are not limited to, the following:

- Two-dimensional materials/heterostructures-based sensors: 2D material growth, transfer, fabrication, device prototype, and demonstration
- Two-dimensional materials/heterostructures as photodetectors
- Graphene or other 2D materials-based strain/pressure sensor with high sensitivity
- Two-dimensional materials as bio-sensors/electrochemical sensors
- Two-dimensional materials for acoustic or thermal sensing applications

Guest Editor

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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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