



Two-Dimensional Materials for Sensors

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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





sensors



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Message from the Editor-in-Chief

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