



Advanced Two-Dimensional Materials-Based Sensors

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

Two-dimensional materials (graphene, MoS₂, Black Phosphorus et.) in combination with nano-fabrications can enable high performance sensors or novel sensors with new functionalities, opening a wide range of applications.

Two-dimensional materials can be the building blocks for various types of sensors, such as photodetectors, strain/pressure sensors, gas sensors, etc. Two-dimensional-based sensors can also be enlarged by creating two-dimensional heterostructures. Two-dimensional heterostructures can be produced by combining 2D with 3D/2D/1D/0D structures. This Special Issue aims to introduce two-dimensional materials in combination with nano-fabrications. Topics in general include, but are not limited, to:

- Two-dimensional materials/heterostructures-based sensors: 2D material growth, transfer, fabrication, device prototype and demo;
- Two-dimensional materials/heterostructures as photodetectors;
- Graphene or other 2D materials-based strain/pressure sensor with high sensitivity;
- Two-dimensional materials as bio-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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