



Two-Dimensional Materials Based Sensors

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submissions:

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Message from the Guest Editors

Two-dimensional materials can be the building blocks for various type of sensors, such as photodectors, strain/pressure sensors, gas sensors et. The two-dimensional-based sensors can be also enlarged by creating two-dimensional heterostructures. The two-dimensional heterostructures can be produced by combining 2D-2D, 2D-3D, 2D-1D, 2D-0D structures. This special Issue aims to introduce the two-dimensional materials with the combination of 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 photodectors
- 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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