



2D Materials for Advanced Sensors: Fabrication and Applications

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Message from the Guest Editors

Dear Colleagues,

The advent of the field of graphene and related atomically-thin two-dimensional (2D) materials have created a new paradigm in atomic-scale devices. Numerous applications such as logic devices, advanced photonics, electrochemical applications, multidisciplinary biomedical applications and various sensors have been extensively explored owing to their compelling properties including atomically thin thickness, dangling bond-free surface and appropriate band gaps, etc. Among their extraordinary properties, 2D materials have high surface area-to-volume ratios and ultra-high surface sensitivity to the environment, which endows them great potential applications in different sensor devices such as chemical sensor, gas sensors, thermal sensor, photodetector, pressure sensor, stress sensor, flexible sensor, etc.

[...]

For further reading, please follow the link to the Special Issue website at: <https://www.mdpi.com/si/106015>.

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Message from the Editor-in-Chief

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