Special Issue

2D Nanomaterials-Based Chemical Sensors

Message from the Guest Editors

Two dimensional materials (e.g., graphene and transition metal dichalcogenides (TMDs)) have recently been attracting the attention of reasearchers, for preparing chemical sensors for different applications. In particular, TMDs are the subject of significant research, because of their thickness-dependent intriguing optical and electrical properties, which ultimately result in their interesting charge transfer-based sensing characteristics, for the detection of electron withdrawing and donating gas molecules. In addition, the preparation and selective deposition of 2D materials over nano-patterened electrode surfaces also remains challenging to researchers. Viewing the importance of 2D materials for chemical sensing applications, we would like to, in a timeous manner, announce a call for research articles for a Special Issue entitled “2D Nanomaterials-Based Chemical Sensors”. Articles within the scope of “2D Nanomaterials-Based Chemical Sensors” are encouraged to be submitted for consideration for publication in this Special Issue.

- 2D materials
- graphene
- transition metal dichalcogenides
- charge transfer
- chemical sensor
- nano-patterened electrode

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Message from the Editor-in-Chief

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