

Special Issue

Sensing Applications of Graphene & Related Materials

Message from the Guest Editor

With a theoretical surface area of about 2600 m²/g, graphene has been used in a wide range of sensing applications. In addition to graphene, other related materials have also been discovered, of which thousands have already been theoretically envisaged for various applications and several have been experimentally realized. Hexagonal boron nitride, phosphorene and several metal dichalcogenides, as well as metal monochalcogenides and MXenes, are the most studied graphene-related materials (GRMs). All these materials have distinct properties and have different characteristics from those of their bulk counterparts. One property, which is common to almost all GRMs, is their high surface areas. This makes GRMs interesting for most sensing applications. This issue is on the study of graphene and other GRMs for sensing applications.

Guest Editor

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