



## Call for papers on special issue “Synthesis, characterization and functional devices application of novel two-dimensional materials”

Guest Editor(s)

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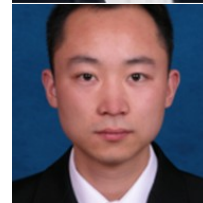
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**Aim & Scope:** Differing from traditional three-dimensional materials, two-dimensional (2D) materials represented by graphene have attracted wide attentions in the academic and industrial communities, which have ultra-high-ratio surface area, quantum limit effect, symmetry breaking and other factors that created its novel physical and chemical properties. 2D materials have become the focus of condensed matter physics, materials science and chemistry research. In this special issue, we are going to collect the recent progress of synthesis, characterization and functional devices application on novel 2D materials.



**Keywords:** ultrathin 2D materials; novel synthesis; advanced characterization; structure-physical properties relationship; electronic and optoelectronic devices; other functional devices;



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### Subtopics

- 1 Controlled synthesis and chemical modification of 2D materials
- 2 Advanced characterization and in-situ measurement of 2D materials
- 3 Structure-physical properties relationship study
- 4 Development of devices fabrication on 2D materials
- 5 Various devices application in the electronics, optoelectronics, energy fields and other functional devices.

**Deadline for manuscript submissions: 31 November 2020**

To submit your manuscript click [here](#). To read author guidelines click [here](#).