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# **Chemistry of 2D Materials**

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Deadline for manuscript submissions:

closed (30 May 2022)

## **Message from the Guest Editors**

Since the ground-breaking experiment on graphene in 2004, 2D materials have attracted enormous attention among researchers from the chemistry, physics, materials science and engineering, medicine and industrial sectors. Two-dimensional materials possess outstanding chemical and physical properties and hold many potential applications in electronic and optoelectronic devices, energy conversion and storage, biological engineering, nanocomposites and membranes. The intensive research has stimulated the generation of various types of 2D semiconductors, semi-metals, metals and insulators, such as phosphorene. boron nitride. transition dichalcogenides, transition metal oxides/hydroxides. transition metal carbides and carbonitrides, and 2D polymers, etc.

Chemical approaches have been proven to be a promising route towards the large-scale production of 2D materials and their derivatives. This Special Issue aims to focus on the various chemical strategies on 2D materials; the topics include but are not limited to:

- Preparation, synthesis and chemical modification of 2D materials
- Characterization, properties and applications of 2D materials and functionalized 2D materials











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## **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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