



Advanced 2D Nanomaterials: Characterization and Application

Guest Editor:

Dr. Song Liu

Department of Mechanical
Engineering, Columbia
University, New York, NY, USA

Deadline for manuscript
submissions:

closed (20 January 2024)

Message from the Guest Editor

Two-dimensional (2D) materials have attracted tremendous interest due to their unusual mechanical, electronic, optoelectronic, and topological properties. However, despite extensive developments in their application, the full potential of 2D materials has yet to be realized. To this end, cutting-edge and integrated characteristic approaches are needed to determine the unique features of these materials, showcasing the remarkable potential for fundamental science and technological applications.

This Special Issue is focused on the up-to-date characterization and application through illustrating intrinsic properties and technological advances of 2D materials. We are seeking original research papers and topical reviews on but not limited to the following aspects:

- Advanced functional 2D materials synthesis and characterization, and application.
- 2D heterostructure characterization and application.
- Emerging phenomenon in 2D materials and their heterostructures.
- Property engineering of 2D materials and their related applications.
- 2D materials nanofabrication approaches.
- Theoretical calculations of 2D materials properties and related device performance





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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