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Recent Progress in Graphene and 2D Materials

Guest Editors:

Prof. Dr. Jae Young Choi

School of Advanced Materials
Science and Engineering,
Sungkyunkwan University, 2066
Seobu-ro, Suwon, Gyeonggi-do
16419, Korea

Prof. Dr. Jae-Hyun Lee

Department of Materials Science
and Engineering and Energy
Systems Research, Ajou
University, 2016 World Cup-ro,
Suwon 16499, Gyeonggi-do,
Korea

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Message from the Guest Editors

Very recently, the controlled stacking of 2D layered materials at the atomic level revealed new physical and chemical phenomena. Based on this fundamental research, new electronic, optical, energy, and sensor devices are being developed that can overcome the physical limitations of current mainstream technology.

This Special Issue is devoted to providing the latest cutting-edge fundamental and applied research across all aspects of graphene and 2D layered materials. Full papers, communications, and reviews on experimental and theoretical studies of 2D layered structures and materials are all welcome.

Keywords

- Graphene and graphene-derived materials
- 2D layered materials (TMDCs, hBN, MXene, Xene, etc.)
- Pseudo-2D materials
- Chain-based 1D/2D materials
- Van der Waals heterostructures
- Applications of devices based on 2D layered materials



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Special Issue



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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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Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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