Special Issue

Recent Progress in Graphene and 2D Materials

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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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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