Special Issue

Two-Dimensional Nanomaterials Beyond Graphene

Message from the Guest Editor

Since the 2004 discovery of graphene, a planar atomically thin carbon allotrope, a keen interest in other two-dimensional nanomaterials has been invoked. Due to their unique properties, which include an atomic thinness, tunable band gap, high electron mobility, and thermal conductivity, two-dimensional nanomaterials have demonstrated great potential in optoelectronic, biomedical, energy, and environmental applications. In this Special Issue, we aim to provide a platform on which to highlight the state-of-the-art progress in two-dimensional nanomaterials beyond graphene, with a particular emphasis on recent advancements. Both original research and review articles are welcome.

Guest Editor

Dr. Maiyong Zhu
School of Materials Science & Engineering, Jiangsu University, Zhenjiang 212013, China

Deadline for manuscript submissions

closed (20 November 2025)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 10.3
Indexed in PubMed

mdpi.com/si/238409

Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

mdpi.com/journal/nanomaterials

MDPI

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 10.3
Indexed in PubMed

mdpi.com/journal/nanomaterials

About the Journal

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)

MDPI