Special Issue

Carbon-Based Nanomaterials for Highly Efficient Catalysis

Message from the Guest Editors

The rise in global demand for green chemistry and sustainable development has driven an immense research interest in the fundamental science of catalysis. Carbon-based nanomaterials offer unconventional ways for their catalytic applications to address some of the new challenges deriving from moving to a more sustainable future. The present Special Issue of *Nanomaterials* is aimed at presenting the unique properties of carbon-based nanomaterials catalysis and giving a balanced view of the current state of the art in this discipline. We welcome submissions to this Special Issue, "Carbon-Based Nanomaterials for Highly Efficient Catalysis", in the form of original research papers, reviews, or communications that highlight the recent progress and advance of carbon-based nanomaterials and their applications in the field of catalysis. Please see more details at the following link: https://www.mdpi.com/si/152862

Guest Editors

Prof. Dr. Jiangbo Xi

Prof. Dr. Junwu Xiao

Prof. Dr. Fei Xiao

Deadline for manuscript submissions

closed (20 March 2024)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/152862

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

mdpi.com/journal/nanomaterials

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/journal/nanomaterials

MDPI

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.

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)