Special Issue

Porous Carbon Nanocomposites for Catalysis

Message from the Guest Editors

Porous carbon nanocomposites are one of the most important, common, and efficient catalysts for multiple fields owing to their inexpensive and easily available raw materials, high specific surface area, large pore volume, excellent electricity, and thermal conductivity. This Special Issue is focused on Porous Carbon Nanocomposites for Catalysis. The materials in focus are porous carbon-based nanocomposites, whose applications should focus on catalysis for energy conversion, organic synthesis, biomass conversion, pollutant treatment, sensors and combustion, but not limited to them. We welcome papers showing the innovative or highly effective role of porous carbon nanocomposites in catalytic functions, material functionalization, or the construction of structure-activity relationships.

- porous carbon material
- nanocomposite
- catalysis
- energy conversion
- organic synthesis
- biomass conversion
- pollutant treatment
- sensors
- combustion

Guest Editors

Dr. Guoping Lu
School of Chemistry and Chemical Engineering, Nanjing University of Science & Technology, Nanjing 210094, China
Dr. Yamei Lin
School of Food Science and Pharmaceutical Engineering, Nanjing Normal University, Nanjing 210023, China

Deadline for manuscript submissions

closed (31 October 2023)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/133917

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 9.2
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