Special Issue

New Research into Porous Nanomaterials for Catalysis

Message from the Guest Editor

Porous materials have particular advantages in fabricating highly active catalysts. In recent years, rapid progress has been made by researchers investigating porous nanomaterials for catalysis. Various porous materials have been prepared and used as catalysts. Examples of porous nanomaterials include metal–organic frameworks, covalent organic frameworks, porous organic polymers, inorganic porous materials etc. Porous materials have been applied to a variety of catalytic reactions. This Special Issue aims to collect papers on recent advances related to porous nanomaterials for various catalytic applications, ranging from organic reactions to electrocatalysis and photocatalysis. It focuses on the progress of porous nanomaterials with high catalytic activity in organic transformations, the photocatalytic degradation of organic pollutants, environmental remediation, and energy applications that manifest high activity, selectivity, and durability. Original research articles and reviews are welcome. We look forward to receiving your contributions.

Guest Editor

Prof. Dr. Jianyong Zhang
School of Materials Science and Engineering, Sun Yat-Sen University, Guangzhou 510275, China

Deadline for manuscript submissions

closed (30 April 2026)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/233660

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

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