nanomaterials

IMPACT FACTOR 4.3

Indexed in: PubMed

CITESCORE 10.3

an Open Access Journal by MDPI

Nanoporous Carbon: Synthesis, Characterization, and Applications

Guest Editors:

Dr. Ana Sofia S. Mestre
Centro de Química Estrutural, Institute of Molecular Sciencies, Departamento de Química e Bioquímica, Faculdade Ciências, Universidade Lisboa, Lisboa, Portugal

Prof. Dr. Ana P. Carvalho
Centro de Química Estrutural, Faculdade de Ciências, Universidade de Lisboa, 1749-016 Lisboa, Portugal

Deadline for manuscript submissions:
closed (15 July 2021)

Message from the Guest Editors

The carbon atom has versatile features that allow this element to combine in various solid forms, and the ability of carbon-based materials to enclose nanopores in their structure is a key factor and an asset to address important scientific challenges. Moreover, the unique properties of carbon materials such as carbon nanotubes or graphene has been demonstrating the possibility of replacing industrial processes based on heavy metals by metal-free materials.

The main objective of this Special Issue of *Nanomaterials* is to present relevant and recent insights on the synthesis, characterization, and application of nanoporous carbon materials. We invite authors to submit original communications, articles, or reviews on innovative synthesis routes of nanoporous carbons and also on the deeper comprehension of their properties at the nanoscale. Contributions focused on the role of the nanoporosity of carbon materials or carbon-based hybrid materials for specific applications in the fields of adsorption, catalysis, or energy production are also welcome.

We look forward to receiving your submissions.

nanomaterials

IMPACT FACTOR 4.3 | Indexed in: PubMed | CITESCORE 10.3

an Open Access Journal by MDPI

Editor-in-Chief

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

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.

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)

Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
𝕏@nano_mdpi