



an Open Access Journal by MDPI

Carbon Nanomaterials: Synthesis and Application

Guest Editors:

Prof. Dr. Pengxiang Hou

Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China

Prof. Dr. Maoshuai He

College of Chemistry and Molecular Engineering, Qingdao University of Science and Technology, Qingdao 266042, China

Deadline for manuscript submissions: closed (1 November 2023)

Message from the Guest Editors

Dear Colleagues,

Carbon is a fascinating element that can adopt different hybridizations of sp. sp^{2,} and sp³, which form different carbon allotropes including conventional graphite and diamond, and new carbon nanomaterials of fullerenes. carbon nanotubes, graphene, and graphyne by controlling these hybridizations. These carbon nanomaterials show great promise in applications in many fields due to their fascinating electric. optical, thermal. magnetic, mechanical, and chemical characteristics and diversity in structure controllability. This Special Issue of Molecules on "Carbon Nanomaterials: Synthesis and Application" will focus on the most recent innovations in structural control synthesis of carbon nanomaterials and their applications in, but not limited to, energy storage and conversion, optoelectronics, composites, sensors, adsorption, and catalysis, and we hereby announce a call for papers for review articles as well as original papers, to be submitted before the deadline

Prof. Dr. Pengxiang Hou Prof. Dr. Maoshuai He *Guest Editors*





mdpi.com/si/124308





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/molecules molecules@mdpi.com X@Molecules_MDPI