molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.2

Indexed in: PubMed

CITESCORE 7.4

Functional Carbon Quantum Dots: Synthesis and Applications

Guest Editors:

Prof. Dr. Liang Wang
School of Environmental and Chemical Engineering, Shanghai University, Shanghai, China

Dr. Weitao Li
1. Textile and Garment Industry of Research Institute, Zhongyuan University of Technology, Zhengzhou 450007, China
2. Institute of Nanochemistry and Nanobiology, School of Environmental and Chemical Engineering, Shanghai University, Shanghai 200444, China

Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Carbon-based quantum dots are mainly divided into two subgroups—carbon quantum dots (CQDs) and graphene quantum dots (GQDs)—which exhibit excellent optical properties, low toxicity and easy functionalization. Regarding these features, they have been promising candidates for photoelectric science and engineering applications.

The rapid development of creating excellent CQDs requires the research community to comprehensively analyze the structure–activity relationship between photoelectric properties and the microstructure. This Special Issue aims to collect the latest developments of CQDs, mainly including the regulation of optical properties in broadband absorption, full-color fluorescence and their applications in photoelectric catalysis.

We invite you to submit your research on all related topics for this Special Issue in the form of full papers, reviews or communications.

molecules

IMPACT FACTOR 4.2 | Indexed in: PubMed | CITESCORE 7.4

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
𝕏@Molecules_MDPI