nanomaterials

IMPACT FACTOR 4.3

Indexed in: PubMed

CITESCORE 9.2

an Open Access Journal by MDPI

Fluorescence Nanoprobes: From Synthesis to Applications

Guest Editor:

Prof. Dr. Mingqian Tan
Academy of Food Interdisciplinary Science, Dalian Polytechnic University, Qinggongyuan1, Ganjingzi District, Dalian 116034, China

Deadline for manuscript submissions:
closed (10 January 2019)

Message from the Guest Editor

Dear Colleagues,

Fluorescence nanoprobes refer to nanostructures that can re-emit light upon light excitation for the detection of specific target locations and activation, identifying protein interactions and conformation changes in any chemical or biological processes in vitro and in vivo. Fluorescence nanoprobes have shown their unique properties because of their strongly fluorescent signal, excellent photostability, enhanced permeability and retention (EPR) effect, as well as versatile surface chemistry for various applications. The performance of the fluorescence nanoprobes is highly dependent on the design strategy and chemical synthesis methods. This Special Issue aims at collecting research articles that report the design, characterization, and prospective applications of fluorescence nanoprobes in molecular imaging, molecular interaction, image-guided delivery and release, theranostics and various target analysis, in a wide range of research fields, including nanotechnology, biotechnology, biomedical engineering and nanomedicine.

Prof. Dr. Mingqian Tan
Guest Editor

nanomaterials

IMPACT FACTOR 4.3 | Indexed in: PubMed | CITESCORE 9.2

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.

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