Special Issue

Fluorescent Nanomaterials: Synthesis and Applications

Message from the Guest Editors

Nanomaterials have been attracting considerable interest due to their unique physicochemical properties, which differ from their bulk materials. Among them, fluorescent nanomaterials with both characteristics of fluorescence and nanomaterials demonstrate their great potential in a wide variety of applications, such as biosensing, bioimaging, theranostics, anti-counterfeiting, illumination, etc. With the rapid development of nanoscience and nanotechnology, more and more strategies have emerged for the design, synthesis, characterization, functionalization, and application of different kinds of fluorescent nanomaterials. In this Special Issue on “Fluorescent Nanomaterials: Synthesis and Applications”, we invite reviews, research articles, and communications on recent advances in the abovementioned topics on fluorescent nanomaterials and their nanocomposites.

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Deadline for manuscript submissions

closed (31 December 2022)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/91036

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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.

Editor-in-Chief

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