Special Issue

Fluorescent Nanomaterials for Sensing, Bioimaging, and Therapy

Message from the Guest Editor

Fluorescent probes are indispensable chemical tools for use in high-quality biomedical research and clinical diagnosis. Compared with small-molecule dyes, nanoprobes have many advantages for use in biomedical applications such as longer circulation time, brighter fluorescence, multifunctionality, etc. Fluorescent nanosensors have also been widely used in the monitoring of environmental pollutions and harmful food additives due to their high sensitivity and low cost. Therefore, the development of effective nanoprobes as chemical tools is not only beneficial to basic research, but also to environmental protection and our daily life.

This Special Issue will attempt to cover fluorescent nanomaterials including (but not limited to) MOF, polymer dots, and dye-doped silica nanoparticles. Articles concerning not only preparation methods and property studies, but in particular, the study of their structure–function correlation and applications in sensing, bioimaging, and photodynamic therapy are welcome. And the format of welcomed articles includes full papers, communications, and reviews.

Guest Editor

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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.

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