Special Issue

Fluorescent Nanomaterials: Synthesis, Properties and Applications

Message from the Guest Editor

In recent years, nanomaterials have attracted much attention as the forefront of the rapidly developing field of nanotechnology. Among them, fluorescent nanomaterials with unique physicochemical properties and excellent optical properties demonstrate their great potential in a wide variety of applications, such as biological imaging, medical diagnosis, ion detection, solid-state lighting, display and sensing, etc. This Special Issue aims to organize research articles and review articles to study the synthesis, properties, and applications of fluorescent nanomaterials. Research areas may include (but are not limited to) the following: (1) New design, synthesis, and characterization methods for fluorescent nanomaterials; (2) Unique properties of fluorescent nanomaterials; (3) Novel strategies for efficient modification and functionalization of fluorescent nanomaterials; (4) Fundamental research on fluorescent nanomaterials' physicochemical properties and their mechanisms; (5) Applications of fluorescent nanomaterials in a variety of fields, such as biological imaging, diagnosis, detection, anti-counterfeiting, display and sensing, etc.

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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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