Special Issue

Fluorescent Nanomaterials and Their Applications

Message from the Guest Editors

In the last few years, the study of fluorescent nanomaterials has become a distinctive subject of research. This increase in interest is driven by the numerous applications of these materials in industry, medicine, information technology, energy storage, sensing, and many others. Compared to traditional fluorescent molecules, fluorescent nanomaterials display many advantages, such as photostability, tunable morphology and size, as well as the ability to perform multiple functions. Many kinds of fluorescent nanomaterials are currently available, including diamond, metal-oxides, polymer, silica carbide, carbon, just to mention some. They are fabricated in many different shapes and sizes, and have a wide range of properties suitable for many different applications, ranging from quantum to biomedical applications. However, despite significant progress, obstacles remain in their successful implementation as industrial and clinical solutions... For further reading, please follow the link to the Special Issue website at: https://www.mdpi.com/si/45486

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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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