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Luminescence Nanomaterials and Applications

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Message from the Guest Editors

In this Special Issue, we will cover any luminescent nanomaterials with quantum size confinement, photoluminescence, upconversion luminescence, persistent luminescence, and afterglow of nanoparticles and their potential applications in cell labeling, imaging, detection, and sensing. This Special Issue will also include the preparation and conjugation of luminescent nanoparticles and the applications of luminescence nanoparticles for in vitro and in vivo imaging, fluorescence resonance energy-based detection, and the applications of luminescence nanoparticles for photodynamic activation and solid state lighting.

We also encourage investigators to submit their research work on new materials such as perovskite quantum dots and new phenomena such as aggregation-induced emission. All kinds of papers—research articles, letters, communications, and reviews—are welcome.



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Special Issue



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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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