Special Issue

Carbon-Based Quantum Dots

Message from the Guest Editor

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Synthesis of CQDs, especially green synthesis of CQDs and large-scale production of CQDs;
- Surface functionalization of CQDs;
- General structure study on CQDs, including structure characterizations, theory study, etc.;
- Optical properties and luminescence mechanism of CQDs;
- Applications of CQDs, including optoelectronic devices, anti-counterfeiting, detection and sensors, energy storage and conversion, catalysis, and biomedicine.

Guest Editor

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Deadline for manuscript submissions

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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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