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Quantum Dots and Applications

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editor

This Special Issue aims to provide recent, informative, QDrelated resources for readers by addressing a broad range of topics from QD materials chemistry and characterization to processing and device fabrication. It will focus on not only the synthesis of colloidal QD materials with various semiconductor compositions such as II-VI, III-V, I-III-VI, and halide perovskite families; core/shell heterostructural engineering; and surface functionalization/encapsulation and photophysical investigation, but on their versatile applications such as down-conversion-. electroluminescence-based light-emitting diodes display/lighting devices, luminescent solar concentrators, and biological labels.

We firmly believe that this collection will provide an opportunity to circulate innovative ideas and technologies on these emerging topics and contribute to the dissemination of expertise for young and leading researchers in the OD-related field.

Keywords

- colloidal quantum dots
- emissive materials
- materials chemistry
- optoelectronic













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Message from the Editor-in-Chief

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