



## Quantum Dots and Applications

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### Message from the Guest Editor

This Special Issue aims to provide recent, informative, QD-related 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 for 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 QD-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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