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## Recent Advances in Nanomaterials for Optoelectronic Devices

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### Message from the Guest Editors

Optoelectronic functional devices represent a class of components that are indispensable in our information society, as they play important roles in information generation, modulation, sending, transmission, sensing, processing, displaying, etc. The age of Internet of Things (IoT) is placing rising requirements on future-generation optoelectronic devices in terms of their volume, performance, power consumption, multi-functionality, flexibility, and wearability, to name a few. In this context, nanomaterials (0D, 1D, 2D), as a result of their appealing properties arising from reduced dimensionality, have demonstrated rich potential to meet the stringent demands for diverse optoelectronic devices ranging from photodetectors and light-emitting diodes to photovoltaic cells and optical modulators.

This Special Issue aims to collect original research articles and reviews in the rapidly developing field through both fundamental studies and practical applications. Topics covered include, but are not limited to, the synthesis and growth of nanomaterials, the construction and characterization of functional structures, and the fabrication and characterization of optoelectronic devices.



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# Special Issue



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## Message from the Editor-in-Chief

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