

## Special Issue

# Advances in Nanomaterials for (Opto-)electronic Devices

### Message from the Guest Editors

(Opto-)electronic 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 electronic as well as optoelectronic devices. 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 (opto-)electronic devices.

### Guest Editors

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### Deadline for manuscript submissions

closed (10 January 2025)



## Materials

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### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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