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Advances in Nanophotonic Sensors, Devices and Functional Applications

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Deadline for manuscript submissions:
closed (28 February 2023)

Message from the Guest Editors

The Special Issue is devoted to, but not limited to, the following topics:

- Nanophotonic material and design: theoretical simulation for nanophotonics material, design, and devices.
- Nanophotonic materials, structure, and their fabrication: nanophotonic fabrications, fluorescence materials, metamaterials, organic photonic materials, nano-LED, OLED, low-dimensional materials for nanophotonic, nano-optic, nanoscale photolithography, 3D photolithography, electron beam lithography (EBL), nanostructures and nanoparticles for nanophotonic applications.
- Nanophotonic sensors: LAPS, Optofluidic, plasmonic devices, surface-enhanced Raman spectroscopy (SERS), fiber optic sensor, and photonic crystal.
- Nanophotonic devices: energy harvesting, photovoltaics, photodetectors, phototransistor, nano-gratings, waveguides, artificial photosynthesis materials and devices.
- Nanophotonics integration: optical system, instrumentation optics, and circuit for functional applications in optics and photonics.
- Nanophotonics applications: chemical sensors, gas sensors, biosensors, food quality and safety, environmental monitoring, colorimetry sensing, energy harvesting, and artificial photosynthesis.

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Message from the Editor-in-Chief

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