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Nanophotonic Materials and Sensor Devices

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Message from the Guest Editors

Recently, we have seen a growing interest in Nano Photonic Materials and Sensor Devices, which offer new opportunities for sensing technology. Sensing based on nano photonic materials, including nano particles, nano tubes, nano films, nano 2D materials, metamaterials, photonic crystals, and micro-structure fibers, has the advantages of high sensitivity, low power consumption, and being on-chip integrable. Nano photonic materials for sensing have found a range of applications in biology, medical science, materials analysis, robot technology, environment monitoring, radiation detection, and communication technology.

This Special Issue therefore aims to put together original research and review articles on recent advances, theories, methods, technologies, solutions, applications, and new challenges in the field of various nano photonic materials for sensing and related sensing devices.

For more details, please visit [here](#).



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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