

Special Issue

Advances in Surface Plasmon Based Sensing

Message from the Guest Editors

This [special issue](#) is aimed at the latest advances of plasmon-based optical sensors. The topics include but are not limited to:

- Proposed or developed plasmonic theory adopted for sensing based on electromagnetic or quantum theory for plasmonic structures
- Novel sensing principle or prototype based on new ideas, techniques, fabrications, hybrid structures and interdisciplinary areas with sufficient details
- Integrated sensing systems and lab-on-chip sensors
- Remote sensing, distributed optical fiber sensing, sensor networks and algorithms for fiber sensing
- Kinds of plasmonic waveguide based sensing
- Semiconductor nanowires, waveguides sensors with plasmonic effect
- Meta-materials, meta-surface based and other photonics-based optical sensors
- Two-dimensional nanomaterials based optical sensors
- Ultra-sensitive, cost-effective and label-free sensing
- Plasmonics-based smart optical sensors
- Plasmonic imaging, digital-resolution imaging sensing for various biomoleculars
- Plasmonic-enhanced fluorescent, quantum dots-based high-sensitive sensing
- SERS for sensing detection

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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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