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

Guest Editors

Prof. Dr. Yurui Fang

School of Physics, Dalian University of Technology, Dalian 116024, China

Dr. Yuzhang Liang

School of Physics, Dalian University of Technology, Dalian 116024, China

Deadline for manuscript submissions

closed (25 February 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/84636

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)