

Special Issue

Advances in Silicon Photonic Sensors

Message from the Guest Editors

This Special Issue offers the possibility to gather recent improvements in the broad field of silicon-based photonic sensors. This includes bio and thermal sensing, novel detection methods and device concepts as well as fabrication techniques and packaging. Articles with latest experimental results as well as simulation studies are welcome. It is our pleasure to invite you to submit a manuscript for this Special Issue with the latest results, research lines, and trends that you are currently obtaining or following. Full papers, communications, and reviews are all welcome.

Keywords:

- Silicon photonic sensors
- Optical biosensors
- Sensor concepts and simulation
- Fabrication and packaging methods
- Porous silicon and novel materials
- Optofluidics
- Optical trapping
- Surface functionalization
- Label-free detection
- Photonic-plasmonic devices

Guest Editors

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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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