Topical Collection

Biomedical Optical Nanosensors

Message from the Collection Editors

Rapid development of nanotechnology enables the design of miniaturized sensors for in vivo and in vitro monitoring vital signs at different levels, ranging from single cells to the whole organism. Synergy with another key-enabling technology, optics/photonics, provides unlimited opportunities for remote non-invasive sensing based on a variety of light properties (wavelength, intensity, polarization, coherence, pulse width, angular momentum, etc.). This Special Issue is devoted to technological advancements in the area of optical nanosensors for in vivo and in vitro biomedical applications (including bioimaging). The sensing materials and the sensing physiological properties are not limited; the only requirement is that the measured quantity is encoded into properties of the detected light.

- nanosensor
- nanotechnology
- imaging
- theranostics
- optics
- photonics
- biophotonics
- biomedical optics
- biomedicine

Collection Editors

Prof. Dr. Alexey Popov

Dr. Vladimir Sivakov

Dr. Yury Ryabchikov

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/40482

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

MDPI

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)