Special Issue

Recent Advances in Photonic Sensors

Message from the Guest Editor

Photonics is closely related to the technology of generating and using light and other forms of radiant energy whose quantum unit is the photon. Photonics involves a wide range of applications of lasers, optics, solid-state lighting, fiber optics, electro-optical devices, and inter alia photonic sensors. The aim of this Special Issue is the presentation of recent advances in photonic sensors, based on different configurations and materials that can be used in numerous and diverse fields of technology as alternate energy, manufacturing, health care, telecommunication, environmental monitoring, homeland security, and aerospace. Applications of the photonic sensors may cover many areas, ranging from new concepts still experienced in laboratories to sensing systems to be made available on the market, even in highly differentiated sectors, such as biomedicine and biotechnology, micro- and nanotechnology, construction and engineering, alternate energy and green solutions, chemical technology, transportation, gas sensing, defense, space, and so on.

Guest Editor

Dr. Piotr Lesiak

Faculty of Physics, Warsaw University of Technology, 00-662 Warszawa, Poland

Deadline for manuscript submissions

closed (30 September 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/26454

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)