

Special Issue

State-of-the Art in Gas Sensors based on Nanomaterials

Message from the Guest Editors

Gas sensors are the most important tools for monitoring unknown gas concentrations and environmental information to ensure production safety. Nanomaterials are attracting more attention for gas sensors, because of their excellent surface performance, such as 2D nanomaterials. Their unique electrical, optical, and mechanical properties have made them a new type of compact, ubiquitous, wearable sensors. Nanomaterial-based gas sensors have improved sensing performance such as sensitivity, accuracy, and stability for various gases. The development of electronic devices is rapidly advancing due to integration and miniaturation. In addition, the wearable technology is expected to become an integral part of our daily life. It has a high demand for real-time monitoring of exhaled breath and surrounding toxic gases to identify potential risks to health and food safety. This Special Issue is devoted to providing the latest cutting-edge fundamental and applied research on all aspects of gas sensors. Full papers, communications, and reviews on experimental and theoretical studies of gas sensors are all welcome.

Guest Editors

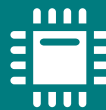
Dr. Hyeong-U Kim

Prof. Dr. Jae-Hyun Lee

Dr. Seoung-Ki Lee

Deadline for manuscript submissions

closed (31 December 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/93625

Sensors

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

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



[mdpi.com/journal/
sensors](https://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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)