



sensors



an Open Access Journal by MDPI

Thin Film Gas Sensors

Guest Editor:

Dr. Emmanouil Gagaoudakis

Transparent Conductive
Materials and Devices Laboratory
(TCMD Laboratory), Institute of
Electronic Structure and Laser
(IESL), Foundation of Research
and Technology (FORTH), 70013
Heraklion, Greece

Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editor

Dear Colleagues,

Gas sensors for toxic and hazardous gases such as NO_x, SO_x, H₂, CH₄, O₃, volatile organic compounds (VOCs), etc. have been of great research interest for more than 50 years. Industries, automobiles, and hospitals are only a few of the sectors where there is a great demand for fast, accurate, and relatively inexpensive gas sensing devices. The explosive growth of advanced materials with superior properties over the last decade has enhanced the performance of gas sensors. Especially in the field of conductometric gas sensors, numerous new materials such as perovskites (inorganic and/or hybrid), in addition to the well-known metal oxide semiconductors, have been introduced and are currently investigated as gas sensing elements. Furthermore, a great number of techniques have been employed in order to deposit thin film gas sensors on various rigid and flexible substrates. For more information, please visit: mdpi.com/si/50846

Dr. Gagaoudakis Emmanouil

Guest Editor



mdpi.com/si/50846

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)