



sensors



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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



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Special Issue



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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

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
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