



Recent Advances in Multifunctional Sensing Technology for Gas Analysis

Collection Editor:

Dr. Simonetta Capone

Institute for Microelectronics and
Microsystems, National Research
Council of Italy (CNR-IMM),
Campus Ecotekne, Via per
Monteroni s.n., 73100 Lecce, Italy

Message from the Collection Editor

Stimulated by the multiple applications of gas sensors, research in this field is constantly evolving, based on advances in the synthesis and deposition of new gas-sensitive nanomaterials. Moreover, innovative technological solutions offered by micro and nanotechnology provide novel functional microfabricated platforms for sensors arrays and the integration of sensing elements. Such advances open up opportunities for the development of a wide range of gas-sensing devices based on different sensing principles and with improved properties (high detectivity, specificity, low power consumption, multifunctionality, and miniaturized size).

This Special Issue is dedicated to the challenging topic of gas sensors and multifunctional gas sensing systems that are expected to improve the quality of human life when applied to achieve specific purposes in various areas of daily life. We invite all researchers working on gas sensors to submit their original research studies to this Special Issue.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Jin-Ming Lin

Beijing Key Laboratory of
Microanalytical Methods and
Instrumentation, Department of
Chemistry, Tsinghua University,
Beijing 100084, China

Prof. Dr. Nicole Jaffrezic- Renault

Institute of UTINAM, University of
Franche-Comté, UMR-CNRS 6213,
16 Gray Road, 25030 Besançon,
France

Message from the Editorial Board

Chemodosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemodosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), [Engineering Village](#) and [other databases](#).

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Physical and Theoretical Chemistry)

Contact Us

Chemodosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/chemodosensors
chemodosensors@mdpi.com
[X@chemosens_MDPI](https://twitter.com/chemosens_MDPI)