

## Special Issue

# Gas Detection Sensors for On-Chip Applications

### Message from the Guest Editor

Significant developments have been achieved in the fields of chemosensors, nanosensors, and lab-on-a-chip systems through the utilization of novel functional materials, structures, devices, and systems at the nano- and microscale, providing improved sensing performances. The aim of this Special Issue is to explore recent progress related to these research fields for gas detection and its applications. This Special Issue aims to publish state-of-the-art original articles and comprehensive reviews covering gas detection sensors for on-chip applications. Contributions may include different aspects in terms of novel design, fabrication, chemistry, analysis, applications perspectives, and so on. The topics that will be covered include (but are not limited to):

- Optical fiber sensors;
- Pressure, temperature, humidity sensors for gas detections;
- Novel gas sensor lab-on-a-chip devices;
- Novel nano- and micromaterials for gas detections.

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### Guest Editor

Prof. Dr. Changyu Shen

Institute of Optoelectronic Technology, China Jiliang University,  
Hangzhou 310018, China

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### Deadline for manuscript submissions

closed (29 February 2024)



## Chemosensors

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

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## About the Journal

### Message from the Editorial Board

*Chemosensors* continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* 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.

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### 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

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