

Special Issue

The State-of-the-Art Gas Sensor

Message from the Guest Editors

This Special Issue of the journal *Chemosensors* intends to highlight the emerging technologies of nanostructured chemical gas sensors and their applications, as well as aiming to present the latest technologies and methodologies developed in this interdisciplinary field of science. The following topics are welcome to this Special Issue:

- Synthesis, functionalization, and gas-sensing properties of metal oxide nanomaterials/gas sensors.
- Synthesis, functionalization, and gas-sensing properties of carbon-related nanomaterials/gas sensors.
- Synthesis, functionalization, and gas-sensing properties of organic-related nanomaterials/gas sensors.
- New chemistry and new composite sensor materials.
- Integration of gas-sensing nanomaterials onto transducers platforms.
- Theoretical calculation and simulation on gas-sensing nanomaterials/sensors.
- New applications of nanostructured gas sensors.
- Spectroscopic gas sensors (near-infrared, mid-infrared, Raman scattering and terahertz spectroscopies, etc.).
- Optical gas sensors, thermometric gas sensors, crystal microbalance gas sensors, cantilever gas sensors, field-effect gas sensors, etc.

Guest Editors

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Deadline for manuscript submissions

closed (30 December 2023)



Chemosensors

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Impact Factor 3.7
CiteScore 7.3



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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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