Special Issue

Chemical Sensors for Volatile Organic Compound Detection, 2nd Edition

Message from the Guest Editors

Volatile organic compounds (VOCs) are ubiquitous in multiple specific settings, such as confined spaces and chemical production processes. As a class of harmful compounds to humans, it is essential to achieve the superior detection of VOCs, particularly in terms of lower detection limits of sub-ppm and shorter response times. Furthermore, it will be remarkable if these sensors can be further miniaturized and applied in practical environmental monitoring. This Special Issue seeks papers on chemical gas sensors for the effective detection of VOCs. Authors are invited to submit articles focused on selective enhancement, lower power consumption, a fast response, and other aspects. Papers on the characterization and evaluation of sensing performance or the completion of gas-sensitive mechanistic discussions of experimental phenomena will also be very well received.

- gas sensors
- volatile organic compounds
- nanomaterials
- metal oxide carbon-based sensors
- novel sensing materials
- leakage detection
- low power consumption
- sensitivity mechanism analysis

Guest Editors

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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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