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Gas Sensing beyond MOX Semiconductors

Guest Editors:

Dr. Andrea Gaiardo
Department of Physics and Earth Science, University of Ferrara, 44122 Ferrara, Italy

Dr. Barbara Fabbri
University of Ferrara, Department of Physics and Earth Sciences, Via G. Saragat 1/C, 44122, Ferrara, Italy

Prof. Dr. Vincenzo Guidi
Department of Physics and Earth Sciences, University of Ferrara, Via Saragat 1, 44122 Ferrara, Italy

Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editors

Dear Colleagues,

Some of these innovative non-MOXS materials highlighted noteworthy features, such as exceptional electronic properties and great and specific chemical reactivity, which result in optimal sensing performance, including high sensitivity and selectivity, and low activation temperature (2D materials, metal organic frameworks, carbon nanotubes, polymers, etc). The aim of this Special Issue is to broaden and deepen the use and knowledge on innovative non-MOXS sensing materials.

Accordingly, this Special Issue will cover topics on gas sensing beyond MOXS. You are invited to contribute with relevant reviews and original research articles focused on:

- Development of novel non-MOXS materials and sensing strategies
- Investigation of sensing performance of non-MOXS nanostructure unexplored so far
- Understanding the sensing mechanism in non-MOXS and advances in investigation techniques
- Development of non-MOXS-based sensing platforms for specific applications

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Editor-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences, UMR CNRS 5280, Department LSA, 5 Rue de La Doua, 69100 Villeurbanne, France

Message from the Editor-in-Chief

Chemosensors is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

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Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

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Chemosensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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