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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.

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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

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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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chemosensors@mdpi.com
𝕏@chemosens_MDPI