chemosensors

an Open Access Journal by MDPI

IMPACT FACTOR 4.2

CITESCORE 3.9

Hierarchical Nanostructures for Gas Sensors

Guest Editors:

Dr. Vardan Galstyan
Department of Information Engineering, University of Brescia, Via Valotti 9, 25133 Brescia, Italy

Dr. Dario Zappa
Sensor Lab, Department of Information Engineering (DII), University of Brescia, Via Valotti 9, 25133 Brescia, Italy

Prof. Dr. Elisabetta Comini
Sensor Lab, Department of Information Engineering, University of Brescia and CNR INO, Via Valotti 9, 25133 Brescia, Italy

Deadline for manuscript submissions:
closed (31 January 2019)

Message from the Guest Editors

Hierarchically-assembled nanostructures are considered to be among the most attractive materials and have been widely exploited in various technological applications. Further extensive efforts have been made to improve the sensing performance of hierarchical nanostructures by the preparation of composite materials, which can open new perspectives for the fabrication of gas sensor devices.

The goal of this Special Issue is to present the recent achievements on the synthesis methods of any kind of hierarchically assembled nanostructures, including, but not limited to, metal oxides, silicon, graphene, and other 1D, 2D and 3D materials. Particular relevance should be given to the enhancement of the functional properties of these materials for gas sensing, in particular regarding the sensitivity, the selectivity and the response time toward specific chemical compounds. Sensing mechanism may be addressed, as well as the application of these materials in real world sensing platforms.

We invite the researchers working on this topic to submit their latest research studies to this special issue. Full papers, communications, and reviews are all welcome.

chemosensors

IMPACT FACTOR 4.2

CITESCORE 3.9

an Open Access Journal by MDPI

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

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (*Instruments & Instrumentation)* / CiteScore - Q2 (*Analytical Chemistry*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/chemosensors
chemosensors@mdpi.com
𝕏@chemosens_MDPI