Topical Collection

Sustainable Metal Oxide Materials for Sensing Applications

Message from the Collection Editors

In the last several decades, nanotechnology has advanced at an impressive rate, owing to a high level of development in both materials and processing routes. This impressive progress is contributing significantly to the growth of several areas, such as (opto)electronics, chemical sensors, medicine/biology, energy, and others. Particularly, sensors are some of the key devices in smart surfaces and Internet of things (IoT) applications. To meet these concepts, sensing applications now require flexible, transparent, nanoscale devices and materials. In this context, metal oxides are particularly interesting due to their good optical and electrical properties and their capability for transparency, large area uniformity, and good mechanical flexibility. Concerning the environmental issues the world is facing, special attention should be given to materials and methods which are low-cost and sustainable, while still enabling high integration levels. Thus, this Special Issue welcomes the submission of papers focused on the fabrication of sustainable metal oxide materials, in the form of thin films or nanostructures, and their application for sensors.

Collection Editors

Dr. Ana Rovisco

i3N/CENIMAT, Department of Materials Science, NOVA School of Science and Technology and CEMOP/UNINOVA, NOVA University Lisbon, Campus de Caparica, 2829-516 Caparica, Portugal

Prof. Dr. Elisabetta Comini

Sensor Lab, Department of Information Engineering, University of Brescia and CNR INO, Via Valotti 9, 25133 Brescia, Italy

Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 7.3

mdpi.com/si/51820

Chemosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemosensors@mdpi.com

mdpi.com/journal/chemosensors

Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 7.3

mdpi.com/journal/chemosensors

About the Journal

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.

Editors-in-Chief

Prof. Dr. Jin-Ming Lin
Beijing Key Laboratory of Microanalytical Methods and Instrumentation, Department of Chemistry, Tsinghua University, Beijing 100084, China

Prof. Dr. Nicole Jaffrezic-Renault
Institute of UTINAM, University of Franche-Comté, UMR-CNRS 6213, 16 Gray Road, 25030 Besançon, France

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Engineering Village and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Physical and Theoretical Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).