Special Issue

Metal Oxides Sensors: Innovation and Quality of Life

Message from the Guest Editors

In SENSOR technology, metal oxides have been broadly exploited as gas sensors, biosensors, physical sensors, and optical sensors. Furthermore, moving from bulk materials to nanostructures, MOx has opened new and terrific opportunities in the sensing field. Nanostructured metal oxides have been extensively explored to develop chemical-gas sensors and biosensors with high sensitivity and stability. However, a huge number of challenges still exists. The specific mechanisms of sensing involved in MOx are complex and not fully understood. The main MOx sensors' parameters are the sensitivity, selectivity, ability to work in real conditions, and the stability of characteristics over time. The main aspiration is to assemble high-quality contributions focused on presenting a comprehensive overview of the new developments in the sensors field, specifically with regard to the promising approaches that will contribute to further development in MOx sensors. For more information, please clink: mdpi.com/si/36670

Guest Editors

Prof. Dr. Elisabetta Comini

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

Dr. Navpreet Kaur

Sensor Laboratory, University of Brescia and INSTM UdR Brescia, Via D. Valotti 9, 25133 Brescia, Italy

Deadline for manuscript submissions

closed (20 September 2021)



Sensors

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



mdpi.com/si/36670

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

mdpi.com/journal/ sensors





Sensors

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

