

## Special Issue

# Metal Oxide Based Nanosensors

### Message from the Guest Editor

This Special Issue is aimed at the submission of both review and original research articles related to nanoscale devices based on metal-oxide materials, from material synthesis to nanostructure integration, device characterization, and understanding of their sensing properties. Due to their high sensitivity and low cost, metal-oxide materials are used in a wide range of sensors, from gas sensors to biosensors, mechanical sensors, and photodetectors. Current research activities concentrate on nanoscale devices, due to the opportunity to improve their sensitivity, their selectivity, and reduce their power consumption, which are mandatory criteria for Internet of Things (IoT) applications. More specifically, this Special Issue will focus on new nanosensor device architectures for enhanced sensing performance and lower power consumption, from their synthesis and integration to the understanding of their working principle, including in situ local analysis methods.

### Guest Editor

Dr. Renaud Leturcq

Luxembourg Institute of Science and Technology, 5, avenue des Hauts-Fourneaux, L-4362 Esch-sur-Alzette, Luxembourg

### Deadline for manuscript submissions

closed (30 November 2021)



## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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## 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.

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### 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

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