

## Special Issue

# Inorganic Nanostructure-Based Sensors: Design and Applications

### Message from the Guest Editor

In recent years, inorganic nanostructure-based sensors have demonstrated significant potential across various fields due to their exceptional performance and innovative designs. These sensors offer high sensitivity and selectivity in detecting a wide range of chemical and biological molecules, making them invaluable in areas such as environmental monitoring, food safety, medical diagnosis, and biological scientific research. The Special Issue aims to compile the latest research achievements, innovative designs, and practical application cases related to inorganic nanostructure-based sensors. We welcome contributions on topics including principles and mechanisms underlying sensor design, innovative materials and fabrication techniques, optimization of sensor performance, applications in environmental monitoring, food safety control, medical diagnosis, and biochemical research, as well as integration with other technologies for enhanced functionality. Both theoretical and experimental studies are welcome to deepen our understanding of design principles, performance characteristics, and potential applications.

### Guest Editor

Dr. Changlong Hao

International Joint Research Laboratory for Biointerface and Biodetection, State Key Laboratory of Food Science and Technology, School of Food Science and Technology, Jiangnan University, Wuxi 214122, China

### Deadline for manuscript submissions

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## 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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### 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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