

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

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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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