

Special Issue

Novel Materials for Gas Sensors

Message from the Guest Editors

Exploiting novel gas-sensing materials, optimizing device geometry, adopting suitable fabrication techniques, and developing new gas sensing strategies represent an active area of research towards molecular detection of targeted gases. Recent progress in the synthesis of nanomaterials and the fundamental understanding of their properties has led to significant advances in nanomaterial-based sensors. This Special Issue welcomes the submission of original research papers or comprehensive reviews that demonstrate or summarize significant advances in the synthesis and application of novel materials and functional nanostructures with potential applications in a variety of gas sensing applications. **Keywords:**

- Nanomaterials/nanocomposites
- Hierarchical structures
- Heterostructures
- Layer-structured 2D materials
- Environmental gas monitoring
- Exhaled-Breath sensors
- Chemoresistive sensors–optical sensors–FET

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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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