

Special Issue

Surface Science of Gas Sensing Materials

Message from the Guest Editor

The Special Issue "Surface Science of Gas Sensing Materials" is aimed at presenting state-of-the-art knowledge of surface phenomena in gas sensors. Gas sensors are attracting increasing interest from scientific and industrial communities. Extensive research has been carried out on the design, synthesis, and investigation of gas sensing materials with improved sensitivity, selectivity, operation temperature, stability, and dynamics. However, designing novel gas sensing materials with predetermined working characteristics is a challenging task, and a basic understanding of the physical and chemical processes at the surface of gas sensors is strongly required. Functioning of gas sensors relies on the gas–solid interactions at the materials surface. Therefore, in this Special Issue we would like to collect the articles reporting on the current understanding of surface chemistry of gas-sensing materials. All types of submissions are welcome, including research articles, reviews, and communications.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2023)



Sensors

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Impact Factor 3.5
CiteScore 8.2
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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

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