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State-of-the Art in Gas Sensors based on Nanomaterials

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Deadline for manuscript submissions:

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Message from the Guest Editors

Gas sensors are the most important tools for monitoring unknown gas concentrations and environmental information to ensure production safety. Nanomaterials are attracting more attention for gas sensors, because of their excellent surface performance, such as 2D nanomaterials. Their unique electrical, optical, and mechanical properties have made them a new type of compact, ubiquitous, wearable sensors. Nanomaterial-based gas sensors have improved sensing performance such as sensitivity, accuracy, and stability for various gases. The development of electronic devices is rapidly advancing due to integration and miniaturation. In addition, the wearable technology is expected to become an integral part of our daily life. It has a high demand for real-time monitoring of exhaled breath and surrounding toxic gases to identify potential risks to health and food safety. This Special Issue is devoted to providing the latest cutting-edge fundamental and applied research on all aspects of gas sensors. Full papers, communications, and reviews on experimental and theoretical studies of gas sensors are all welcome.



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Special Issue



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Message from the Editor-in-Chief

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