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Gas Sensors and Smart Sensing Systems

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Message from the Guest Editor

Gas sensors and smart sensing systems are critical for the emerging Internet-of-things era and rising awareness of environment monitoring. The research and development of gas sensors are focused on achieving high sensitivity and precise discrimination at a variety of testing conditions. The recent approaches on the sensor performance optimization include new functional materials, designing new device structures, advanced feature analysis and new algorithms, violet light to activate charge carriers, heating the sensors, decoration with gas absorbing layers, cross-reactive sensor arrays, and so on. In addition, the research on integrating gas sensors and arrays into a small system for smart sensing is gaining intensive interest for environment monitoring, target tracking and remote sensing. This Special Issue aims to solicit original research papers, as well as review articles, with a focus on theoretical and experimental approaches on smart gas sensors and sensing systems.



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Special Issue



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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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