Special Issue

Gas Sensors: Materials and Design

Message from the Guest Editors

The research and development in the field of gas sensors started a long time ago, and various materials have been explored for sensing toxic gases and pollutants. Today, the sensors are in the market, developed by academic institutions and industries. However, there is plenty of space to develop and fabricate efficient gas sensors that are likely to be utilized for indoor to outdoor air quality monitoring. These sensors could be used for various fields such as breath analysis, household and industrial safety, detection of toxicants, explosives and weapons, and many more. As an expert in the sensing field, you are invited to submit your contributions in the field of gas sensors covering basic principles, sensing phenomena, development of sensor materials, sensing strategies and fabrication of sensors. Contributions from industries would also be appreciated. This Special Issue is open for all materials used to sense various gases including O2, H2, COx, NOx, NH3, LPG, H2S, CH4, SOx, organic contaminations, etc.

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