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2D Materials for Gas Sensing

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Deadline for manuscript submissions:

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Message from the Guest Editors

This Special Issue aims to collect the latest research works in the field of 2D materials-based gas sensors, including new 2D materials and new 2D-based composite materials for the use of industrial, agricultural, environmental, medical and domestic gas detection. The Special Issue will also focus on the new sensing mechanism, new sensor design, and new fabrication method of 2D materials-based gas sensors to address the abovementioned challenges. The Special Issue welcomes original research articles, reviews, communications and concept papers.

Potential topics include, but are not limited to, the following:

- New 2D materials for gas detection;
- New fabrication method for 2D materials-based gas sensors;
- New 2D materials-based composites for gas detection;
- First-principle calculation for gas sensing mechanism of 2D materials;
- 2D materials-based flexible or wearable gas sensors;
- 2D materials-based gas sensors for industrial safety;
- 2D materials-based gas sensors for medical diagnosis;
- 2D materials-based gas sensors for human health;
- 2D materials-based printed gas sensors;
- 2D materials-based gas sensor array;



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Special Issue



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