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## Advanced Materials for Gas Sensors

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Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editor

It has been demonstrated that metal oxide-based nanomaterials exhibit new phenomena because of their comparative distances between the size and fundamental interaction path. In this respect, the associated gas sensing properties are significantly affected. Although there is a pool of publications related to the gas sensing applications of new advanced materials, a fundamental understanding of the way in which the morphology changes are mirrored in the sensing performances (sensitivity, selectivity, response/recovery transients, and stability) are still limited now.

Accordingly, you are invited to submit contributions that are related to the following topics:

- different tuning procedures of the gas sensing performance with advanced materials;
- gaining insights into the way in which structural and morphological aspects of different materials have influence over their sensing behavior;
- tailoring preparation strategies towards overcoming gas sensing drawbacks, such as a low selectivity and relative humidity influence;
- newly merged materials and their associated sensing features.

Manuscripts from industry are also well welcomed.



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

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