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Gas Sensing Materials

Guest Editor:

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Deadline for manuscript submissions:

closed (30 November 2020)

Message from the Guest Editor

Dear Colleagues,

This Special Issue will attempt to provide an overview of the recent achievements in the field, bringing together the approaches developed by different research groups to progress in solid-state gas-sensors.

Original research articles, letters as well as review papers covering the different experimental and theoretical aspects of this topic are invited for submission. Core arguments include but are not limited to:

- Metal oxide nanostructures, including nanoparticles, nanowires, hierarchical nanostructures, pure and doped/functionalized metal oxides;
- 2D materials, including graphene and related nanostructures, MoS₂, WS₂ and phosphorene;
- Organic nanostructures, including carbon nanotubes, polymers, porphyrins and metalloporphyrins;
- Composite materials and hybrid materials;
- Models and computational simulations for the gas-nanostructures interaction.

Dr Andrea Ponzoni

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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