Special Issue

High-Sensitivity and -Selectivity Gas Sensors with Nanoparticles, Nanostructures, and Thin Films

Message from the Guest Editors

Advanced gas sensors fabricated with nanoparticles and thin films of semiconductor metal oxides have been widely used for the detection of toxic, hazardous, combustible gases and biomakers for the safety of human beings, environmental control, and breath analysis.The goal of this Special Issue is to highlight new achievements on the improvement of gas sensor performance by doping, and the synthesis of nanoparticles and thin films in various morphologies, heterostructures, and nanocomposites. Original research works and reviews are welcome on topics of interest including but not limited to the following:

- Effects of Nanoparticles, nanostructures, and thin-films;
- Nanocomposites, heterostructures;
- p-n and n-n junctions;
- Doping and decoration of metal oxides;
- Synthesis in various morphology and compositions;
- On gas sensing and detection;
- For applications in e-nose, breath analysis, indoor and environmental pollutin, combustion and burning condition monitoring.

Guest Editors

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Deadline for manuscript submissions

closed (25 June 2022)

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Message from the Editorial Board

Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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