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Functional Nanomaterials for the Detection of Greenhouse Gases

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Message from the Guest Editors

This Special Issue aims to present recent developments in the processing methodology of any form of mesoporous functional nanomaterial, such as metal oxides, graphene, halide perovskites, and other novel 2D materials. Improvement of the gas-sensing performance of these materials, especially sensitivity, selectivity, as well as working conditions against specific chemical compounds, should be given special attention. The sensing process and mechanism involved and the use of these materials in real-world sensing platforms could be explored.

We invite researchers working on this area to submit their most recent research studies to this Special Issue. Full papers, communications, and reviews are all very welcome.

Deadline for manuscript submissions:
closed (15 February 2022)

mdpi.com/si/82416

Special Issue

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Message from the Editor-in-Chief

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