



Hierarchical Nanostructures for Gas Sensors

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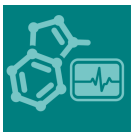
Message from the Guest Editors

Hierarchically-assembled nanostructures are considered to be among the most attractive materials and have been widely exploited in various technological applications. Further extensive efforts have been made to improve the sensing performance of hierarchical nanostructures by the preparation of composite materials, which can open new perspectives for the fabrication of gas sensor devices.

The goal of this Special Issue is to present the recent achievements on the synthesis methods of any kind of hierarchically assembled nanostructures, including, but not limited to, metal oxides, silicon, graphene, and other 1D, 2D and 3D materials. Particular relevance should be given to the enhancement of the functional properties of these materials for gas sensing, in particular regarding the sensitivity, the selectivity and the response time toward specific chemical compounds. Sensing mechanism may be addressed, as well as the application of these materials in real world sensing platforms.

We invite the researchers working on this topic to submit their latest research studies to this special issue. Full papers, communications, and reviews are all welcome.





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Message from the Editor-in-Chief

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