

Special Issue on
Novel Nanostructured Materials for Chemiresistive Sensors

CALL FOR PAPERS

Nanostructured materials have been drawing considerable attention because of their high active surface area, especially for the fabrication of electrical sensors. Recently, introducing novel structures into nanomaterials is demonstrated to be an effective approach to enhance their sensing performances. Typical examples are hollow, porous, hierarchical, and graphene-like nanostructures. However, it is still urgent and significant to further develop new strategies to enrich them and investigate their morphological effect of sensing performance and sensing mechanisms, as well as scaled fabrication approaches to realize their practical application.

The objective of this special issue is to offer a platform for researchers to report up-to-date advances of chemiresistive sensors based on sensing nanomaterials with the abovementioned novel morphologies. Original research articles as well as review articles on their synthesis, characterization, sensing properties, and applications are invited to contribute to this special issue.

Potential topics include but are not limited to the following:

- ▶ Hollow sensing nanomaterials
- ▶ Porous and single crystalline sensing nanomaterials
- ▶ Two-dimensional (graphene-like) sensing nanomaterials
- ▶ Heteronanostructures
- ▶ Hierarchical nanostructures
- ▶ Scaled fabrication approaches of chemiresistive sensors

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jnt/nnmcs/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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