



Sensing and Photocatalysis Nanomaterials Laboratory

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Air pollution is one of the important issues receiving global attention. Realization of compact, highly-sensitive, and reasonably priced gas sensors that are suitable for long-term out-door monitoring is of great significance. Low-cost gas sensors also have tremendous industrial and biomedical applications. Our current research focuses on the synthesis of metal oxide based nanocomposites and the development of relevant technology for portable semiconductor gas sensors. At the present time, the main target gases include ozone, nitrogen oxides, and ammonia.



