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Authors: Xing Gao, Tong Zhang

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An overview: Facet-dependent metal oxide semiconductor gas sensors

*Xing Gao, Tong Zhang**

State Key Laboratory on Integrated Optoelectronics, College of Electronic Science and
Engineering, Jilin University, Changchun 130012, P.R. China

E-mail address: zhangtong@jlu.edu.cn

*Corresponding author:

E-mail address: zhangtong@jlu.edu.cn Tel.: +86 431 85168385; Fax: +86 431 85168270.

Abstract

Metal oxide semiconductor (MOS) gas sensors possess extensive applications due to their high sensitivity, low cost, and simplicity. To boost their excellent sensing performance and meet the growing demand for applications, a series of strategies have been developed, such as the surface morphology engineering and function manipulation. Recently, the controlled morphology with exposed high-energy facets

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