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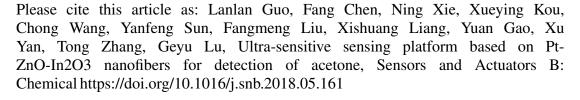
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Ultra-sensitive sensing platform based on Pt-ZnO-In<sub>2</sub>O<sub>3</sub> nanofibers

for detection of acetone

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Highlights

A new type of sensitive materials of Pt-ZnO-In<sub>2</sub>O<sub>3</sub> nanofibers (NFs)

dispersing Pt loaded ZIF-8 (Pt@ZIF-8) nanoparticles in

PVP/In(NO<sub>3</sub>)<sub>3</sub> precursors is designed.

The average sizes of Pt nanoparticles obtained in this work are only

~3 nm.

Gas sensing investigations indicate that the sensor based on

Pt-ZnO-In<sub>2</sub>O<sub>3</sub> nanofibers exhibit the superior acetone response at

300 °C.

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