# High-performance gas sensing achieved by mesoporous tungsten oxide mesocrystals with increased oxygen vacancies

Dong Wang[a,b], Jianbo Sun[c], Xuan Cao[a], Yihan Zhu[d], Qingxiao Wang[d], Guangchao Wang[d], Yu Han[d], Geyu Lu[c], Guangsheng Pang,[*a] and Shouhua Feng[a]

\* To whom correspondence should be addressed
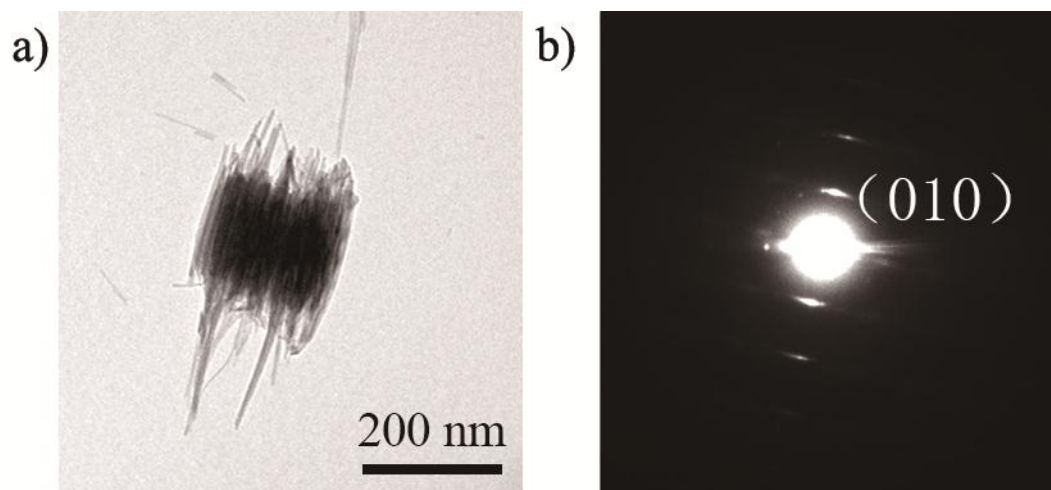
Email: panggs@jlu.edu.cn

**Figure S1**. a) TEM image of an individual tungsten oxide mesocrystal. b) its corresponding SAED pattern.
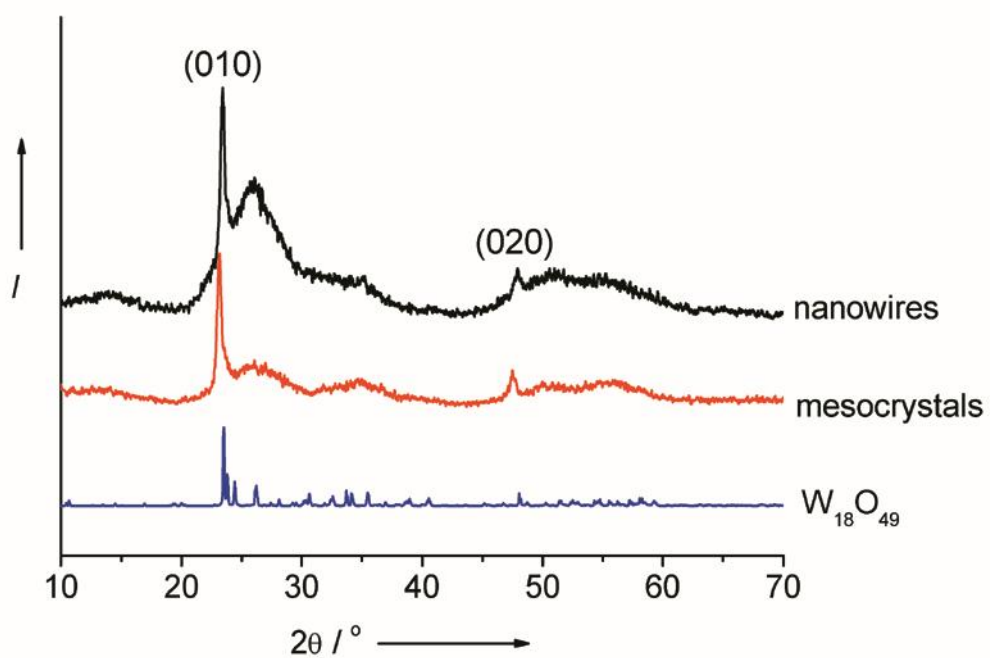


**Figure S2.** XRD pattern of mesocrystals (red line), nanowires bundles (black line) and the standard W18O49 (JCPDF, 71-2450)
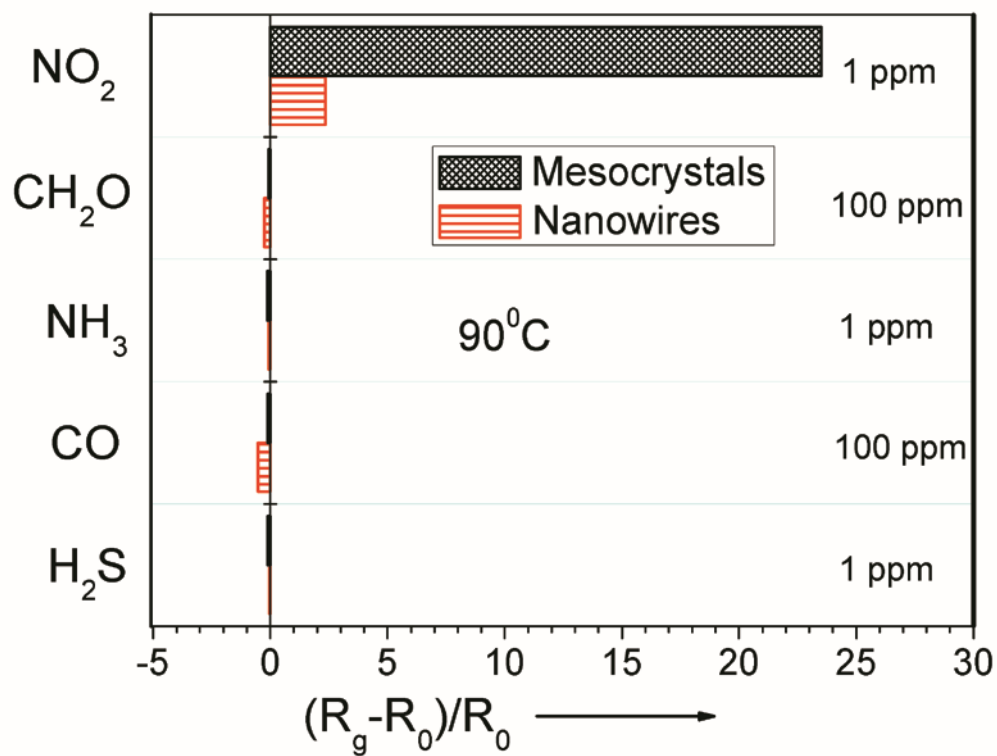
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**Figure S3.** Selectivity histogram of mesocrystals and nanowires bundles towards different gases at 90 °C