

Electronic Supplementary Materials

Porous WO₃ with Enhanced Photocatalytic and Selectively Gas Sensing Properties

Zhong Xie, Yuguang Zhu, Jing Xu, Hongtao Huang, Di Chen* and Guozhen Shen*

Wuhan National Laboratory for Optoelectronics (WNLO) and College of Optoelectronic Science
and Engineering, Huazhong University of Science and Technology (HUST), Wuhan 430074,

China. Fax: 86-27-87792225. E-mail: dichen@mail.hust.edu.cn. gzshen@mail.hust.edu.cn.

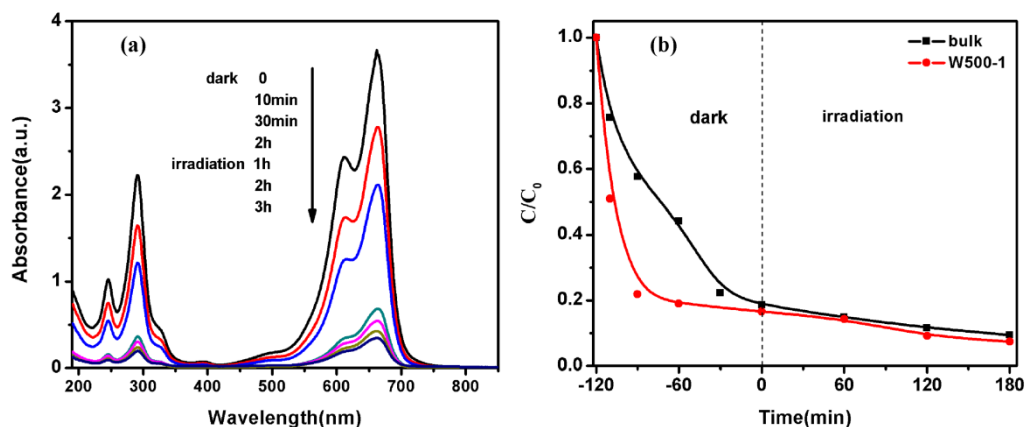


Fig. S1 (a) UV-vis absorption spectra of the MB solution (16mg/L, 100ml) in the presence of 0.66g WO₃ bulk under visible light irradiation. (b) The concentration curves of W500-1 (calcined at 500 °C for 1h) and WO₃ bulk for the adsorption in dark and the degradation under visible light irradiation. The amounts of W500-1 sample and the bulk material were 0.1g and 0.66g, respectively.