

Supplementary Information

Enhanced Gas-sensing Performance of Metal@ZnO Core-shell Nanoparticles towards ppb~ppm Level Benzene: the Role of Metal-ZnO Hetero-Interface

Yan Gong^{a,b}, Xiaofeng Wu^{a,*}, Jiayuan Chen^{a,b}, Wenhui Li^{a,b}, Ning Han^a, Donghai Zhang^a, Yunfa Chen^{a,*}

^a State Key Laboratory of Multi-phase Complex Systems, Institute of Process Engineering, Chinese Academy of Sciences, Beijing 100190, China

^b University of Chinese Academy of Sciences, No. 19 A Yuquan Road, Beijing 100049, China.

Corresponding author: wxfstjc@ipe.ac.cn or chenyf@ipe.ac.cn.

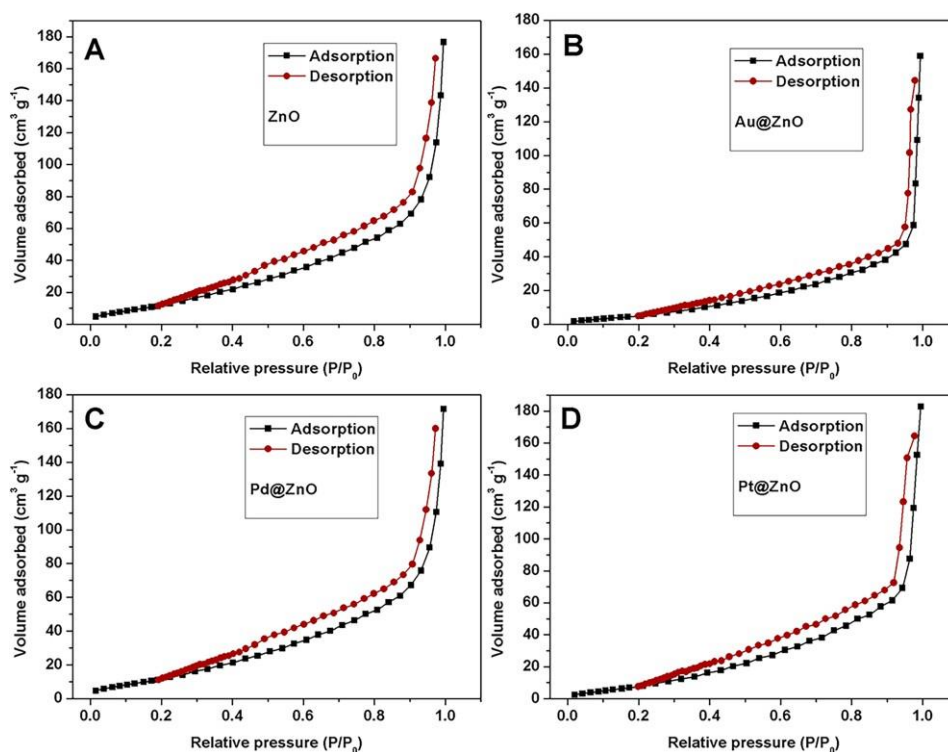


Fig. S1 N₂ adsorption–desorption isotherms curve of the ZnO (A), Au@ZnO (B), Pd@ZnO (C) and Pt@ZnO (d) nanoparticles.