Electronic Supplementary Information

ZnO/Porous GaN Heterojunction and its Application as Humidity Sensor

Chao Wang^{a,b}, Hui Huang^{a,b}, Miao-Rong Zhang^a, Wei-Xing Song^{*c}, Long Zhang^a, Rui Xi^a, Lu-Jia Wang^a, Ge-Bo Pan^{*a}

^a Division of Interdisciplinary Research, Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese

Academy of Sciences, 215123 Suzhou, P. R. China

^b School of Nano Technology and Nano Bionics, University of Science and Technology of China, 230026 Hefei, P. R. China

^c Department of Chemistry, Capital Normal University, 100048 Beijing, P. R. China

^{*} Corresponding authors.

E-mail addresses: songwx@cnu.edu.cn (W.-X. Song), gbpan2008@sinano.ac.cn (G.-B. Pan).



Fig. S1 (a) SEM images of PGAN. (b) Pore size distribution histograms of PGAN. (c) N_2 adsorptiondesorption isotherm curve and pore size distribution (inset) of PGAN.