Supplementary Material for

Gas sensors based on assembled porous graphene multilayer

frameworks for DMMP detection

Yanyan Wang^{a,b*}, Ming Yang^{a,b}, Weixiao Liu^{a,b}, Lei Dong^{a,b}, Da Chen^c, Changsi

Peng^{a,b*}

^a School of Optoelectronic Science and Engineering & Collaborative Innovation Center of Suzhou Nano Science and Technology, Soochow University, Suzhou 215006, People's Republic of China

^b Key Lab of Advanced Optical Manufacturing Technologies of Jiangsu Province & Key Lab of Modern Optical Technologies of Education Ministry of China, Soochow University, Suzhou 215006, People's Republic of China

- ^c College of Electronics, Communications, and Physics, Shandong University of Science and Technology, Qingdao 266590, People's Republic of China
 - *Corresponding author: yywang@suda.edu.cn; changsipeng@suda.edu.cn



Fig. S1. Calibration plot of the resistance response of the porous $r(GO/rGO)_{12}$ gas sensor with the concentrations of DMMP vapour.



Fig. S2. Resistance response of 30 porous $r(GO/rGO)_{12}$ gas sensors toward 50 ppm DMMP vapour.