Electronic Supplementary Material (ESI) for Journal of Materials Chemistry

Supporting Information for "Preparation of a leaf-like CdS micro-/nanostructure and its enhanced gas-sensing properties for detecting volatile organic compounds"

Fig. S1 The photo the plant and their leaves in nature.

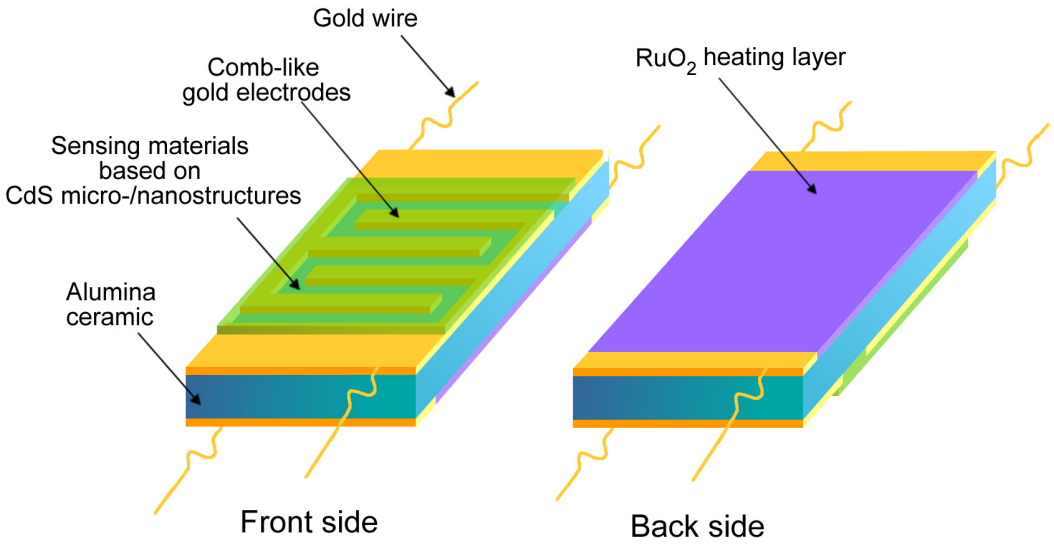

Fig. S2 Illustration of the gas sensor based on CdS micro-/nanostructures.

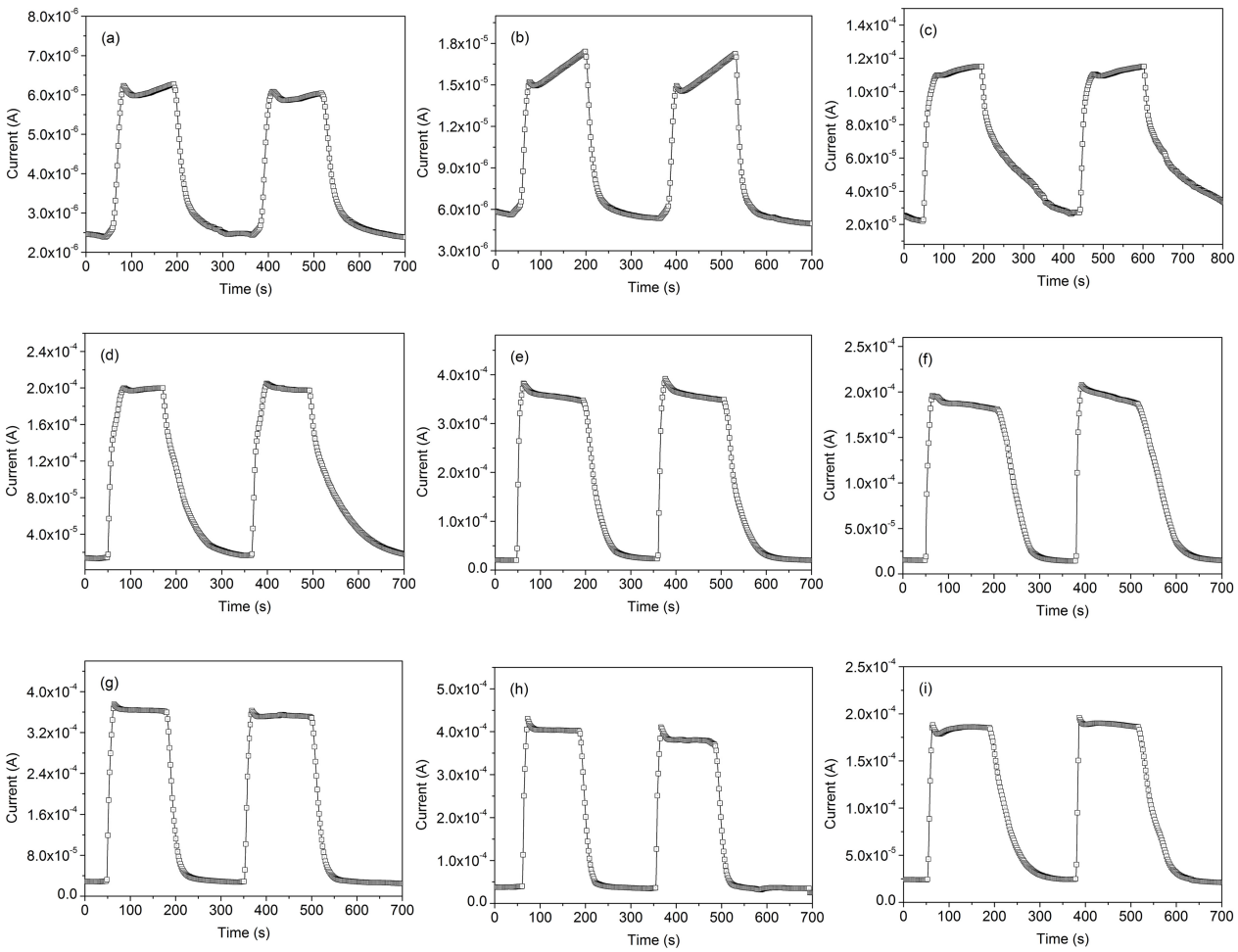

Fig. S3 Real-time gas-sensing responses of the gas sensor based on leaf-like CdS micro-/nanostructures towards 100 ppm aether at different working temperatures: (a) 120 ºC; (b) 145 ºC; (c) 170 ºC; (d) 190 ºC; (e) 210 ºC; (f) 220 ºC; (g) 230 ºC; (h) 245 ºC; (i) 260 ºC.

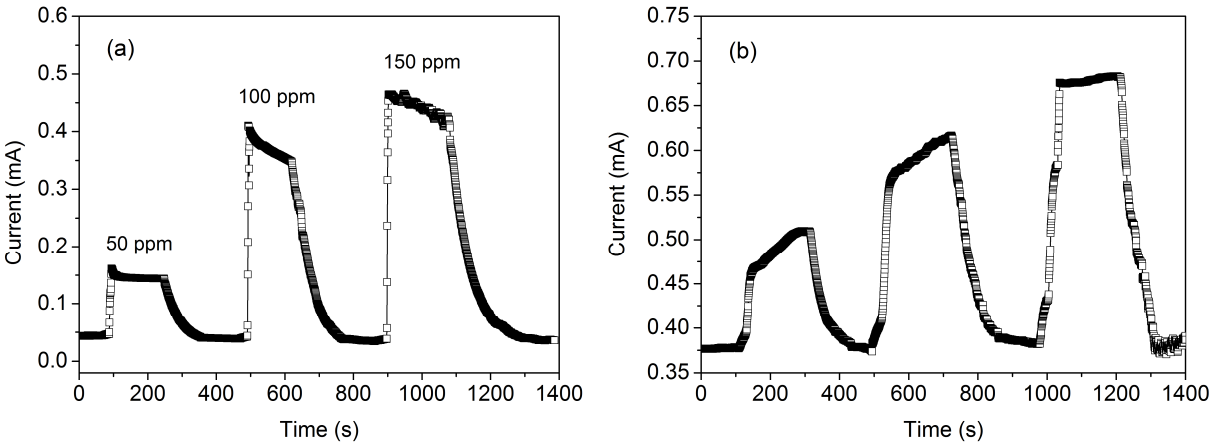

Fig. S4 Real-time gas-sensing responses of the gas sensor based on leaf-like CdS micro-/nanostructures towards (a) butanol and (b) ammonia at concentrations from 50 to 150 ppm.