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Supplementary material

Inkjet-Printed Gas sensors: Metal Decorated WO_3 Nanoparticles and Their Gas Sensing Properties

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The recovery of Ag decorated WO_3 sensors was studied further by repeating the H_2 measurement with the same sample (at 220 °C), after the gas responses to H_2, NO, CO, and H_2S were studied (Fig. S1). The sensors were concluded to recover only partially from the H_2S exposure.

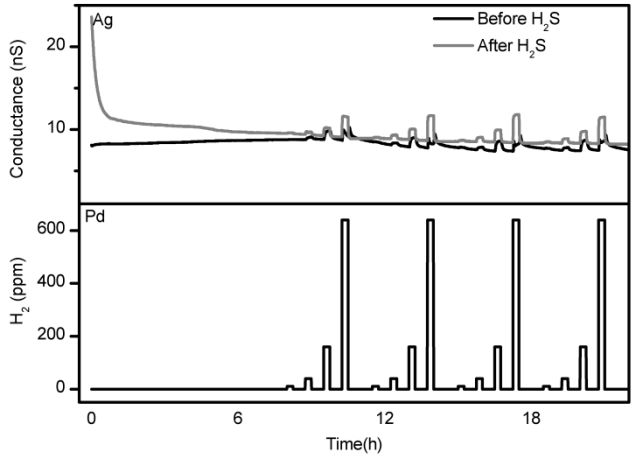

Fig. S1 Change in the conductance of the Ag decorated WO_3 nanoparticle based gas sensors when exposed to 10, 40, 160, and 640 ppm of H_2 in synthetic air carrier gas at 220 °C (before and after of H_2S exposure). Please note: the conductance on y-axis is logarithmic.