Supporting Information:

Improved Ethanol Gas Sensing Performances of ZnO/Co_3O_4 Composite Induced by its Flytrap-like Structure

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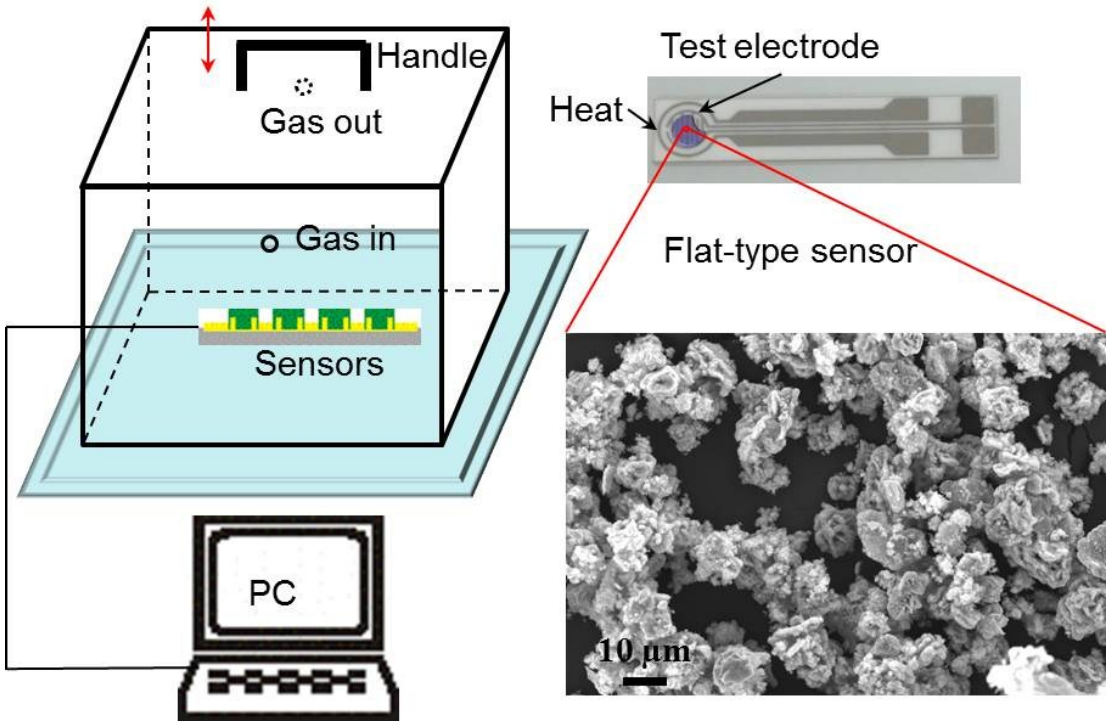

Figure S1 Schematic diagram of the gas-sensing measurement system. The right is the structure of the sensor and the morphology of sensing film (ZnO/Co_3O_4) on the surface of sensor.

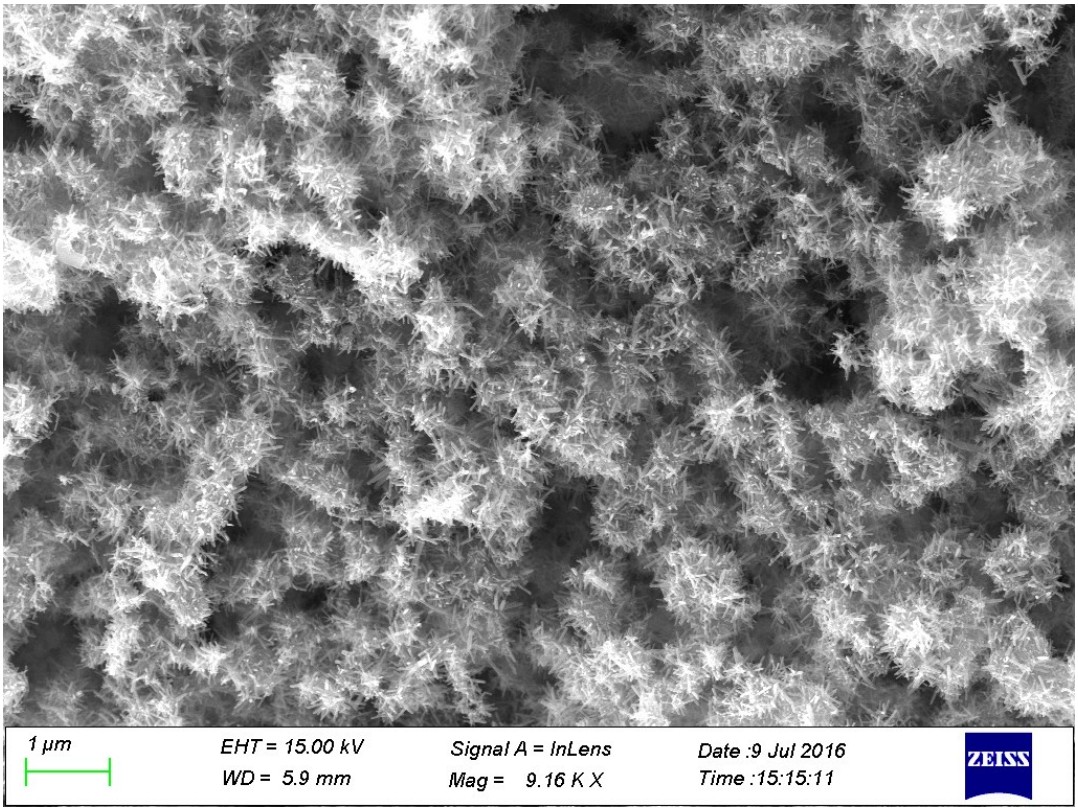

Figure S2 SEM images of pristine ZnO.

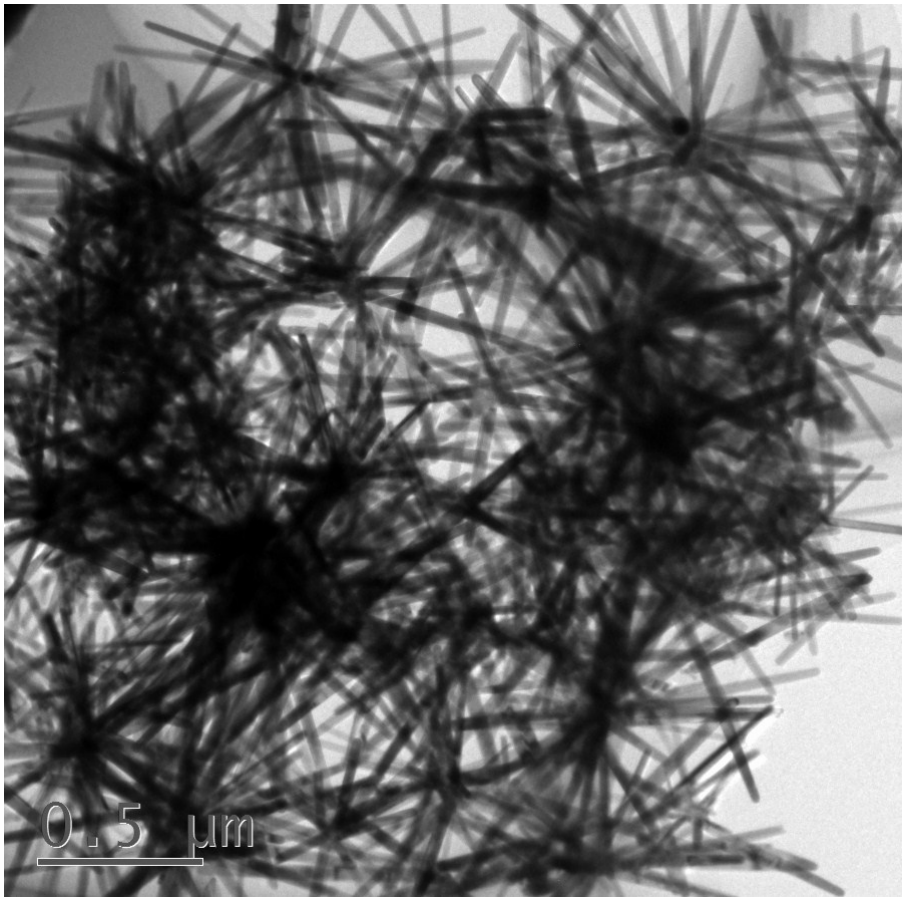

Figure S3 TEM images of pristine ZnO.

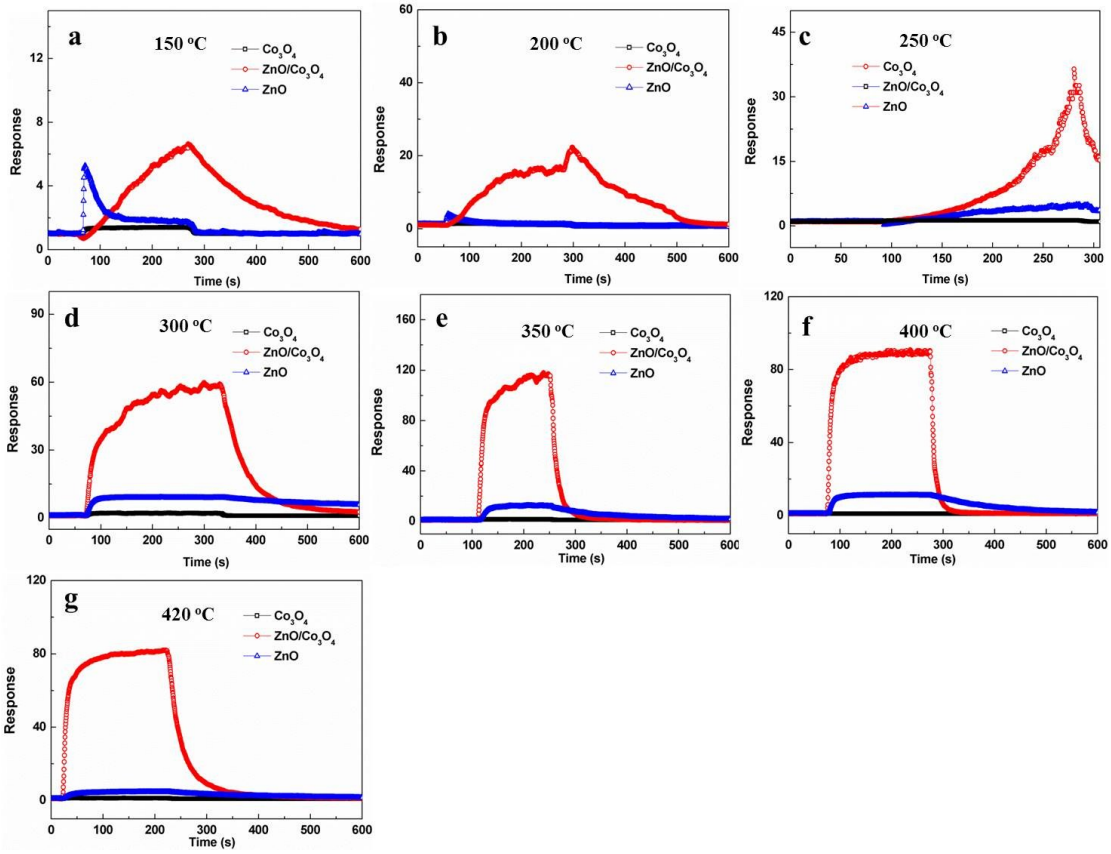

Figure S4 Typical transient response of Co_3O_4, ZnO/Co_3O_4 and ZnO to 100 ppm ethanol at (a) 150 °C, (b) 200 °C, (c) 250 °C, (d) 300 °C, (e) 350 °C, (f) 400 °C, (g) 420 °C.

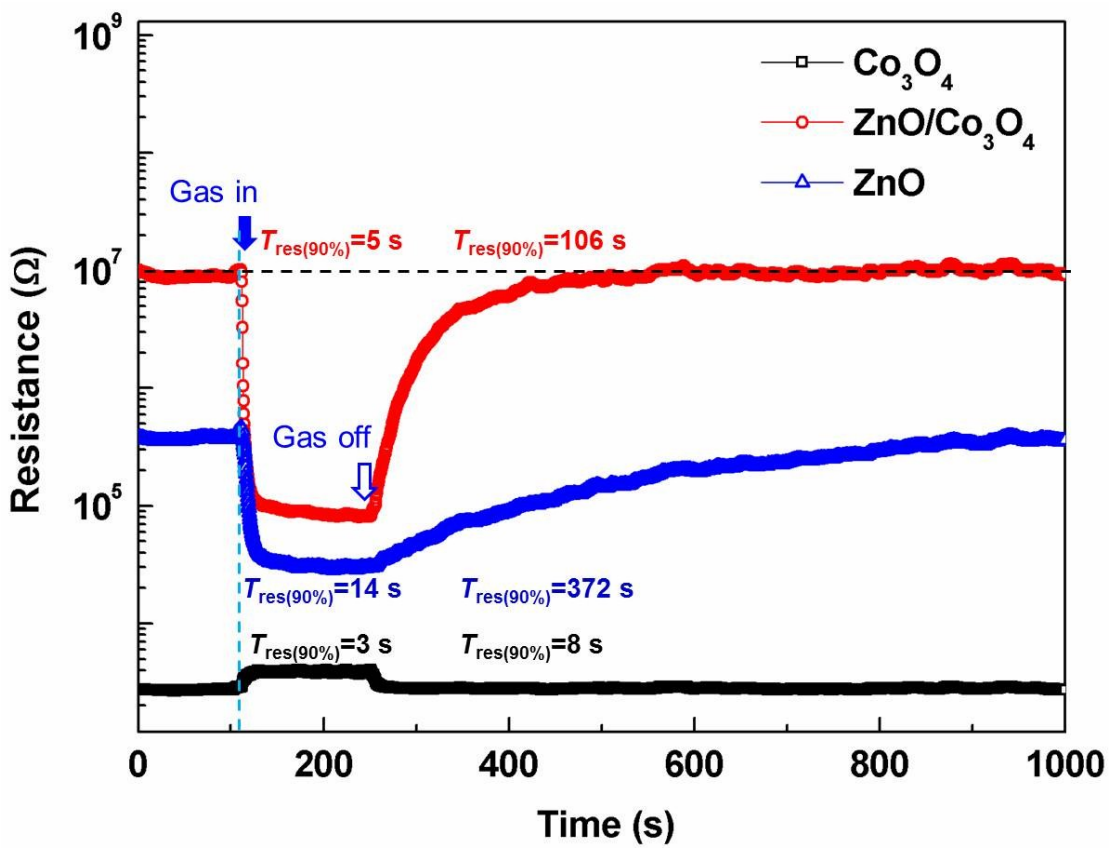

Figure S5 Typical response and recovery curve of Co_3O_4, ZnO/Co_3O_4 and ZnO to 100 ppm ethanol at 350 ^oC.