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## **Electronic Supplementary Informations**

## Preparation of hollow porous Co-doped $SnO_2$ microcubes and their enhanced gas sensing property

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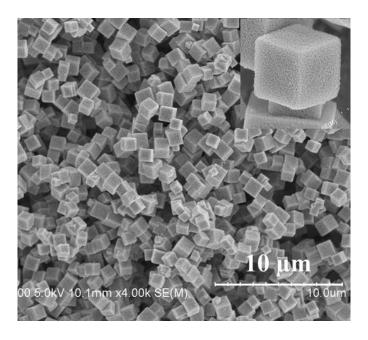
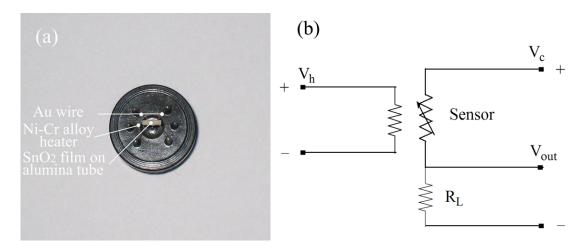


Figure S1. SEM image of the porous Co-doped SnO<sub>2</sub> microcubes.



**Figure S2.** Photograph of the sensor (a), and test principle of the gas sensing measurement system (b)  $(V_h$ : heating voltage;  $V_c$ : circuit voltage;  $V_{out}$ : signal voltage and  $R_L$ : load resistor).