Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information
for

"Facile Synthesis and High Formaldehyde-sensing Performance of NiO-SnO_2 Hybrid Nanospheres"

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S1:

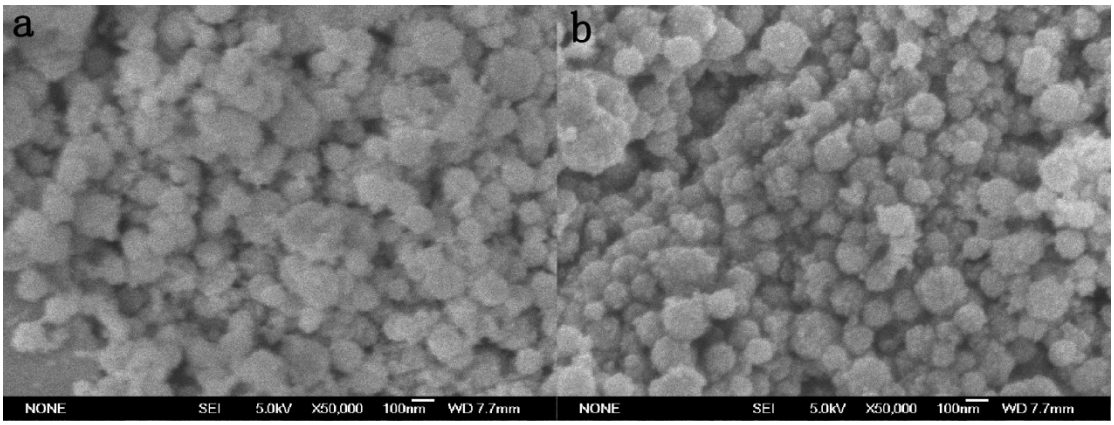

Fig.S1: (a) SEM image of pure porous SnO_2 nanospheres; (b) SEM image of NiO-doped SnO_2 nanospheres.

S2:

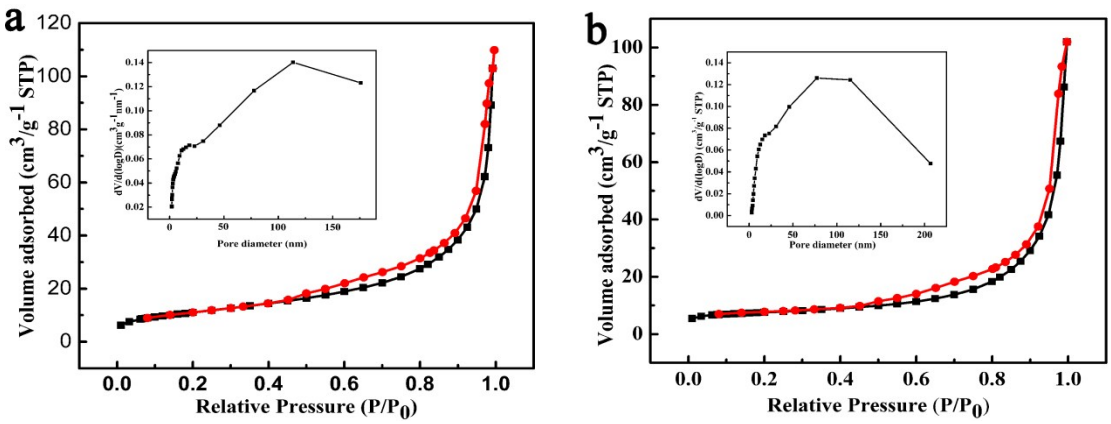

Fig.S2: Typical nitrogen adsorption–desorption isotherm and BJH pore size distribution plots (inset) of pure porous SnO_2 nanospheres (a) and NiO-doped SnO_2 nanospheres (b).

S3:

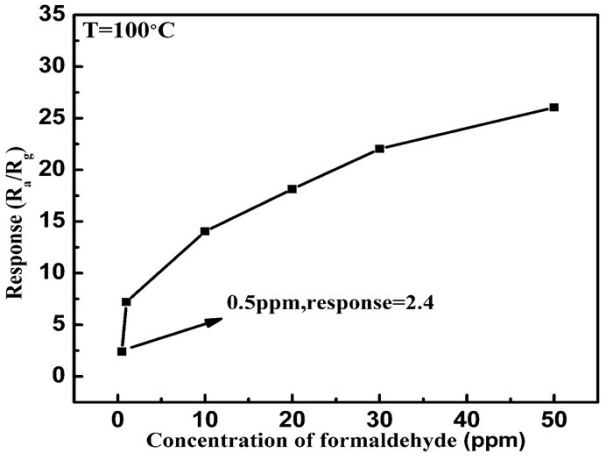

Fig.S3: The corresponding relationships between the response and the concentrations of formaldehyde at 100℃.

S4:

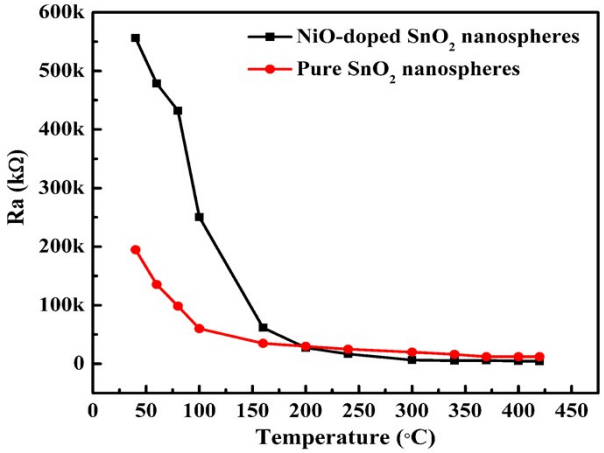

Fig.S4: The electrical resistance of pure porous SnO_2 nanospheres (red) and NiO-doped SnO_2 nanospheres (black) in air at different temperatures.