Electronic Supplementary Material (ESI) for CrystEngComm.

Electronic Supplementary Information for

Carboxyl-directed hydrothermal synthesis of WO_3 nanostructures and their morphology-dependent gas-sensing properties†

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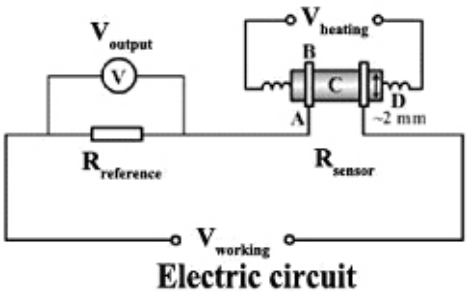

Fig. S1 Schematic diagram of the test circuit for the gas-sensing measurement.

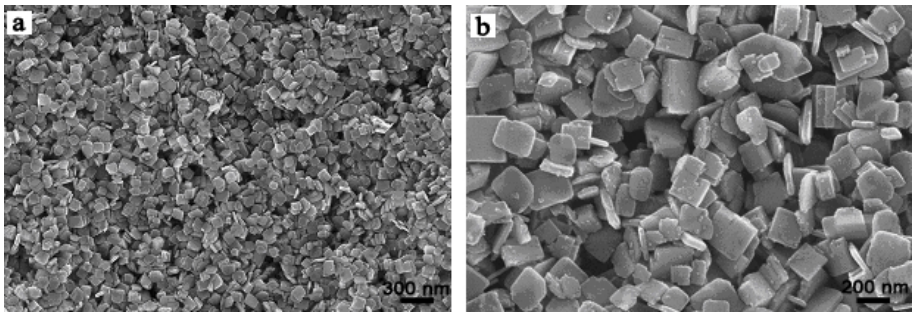

Fig. S2 FESEM images of the WO_3 samples obtained by adding 0.3 g (a) and 0.9 g (b) of citric acid

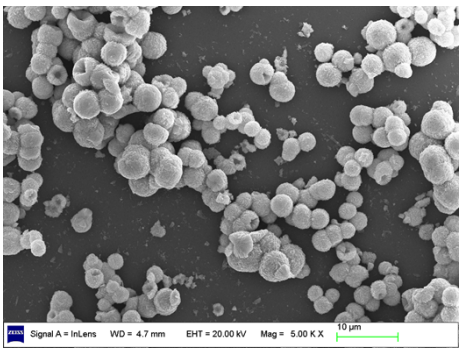

Fig. S3 FESEM images of the WO_3 hierarchical spheres with low magnification.

Table S1 Physical properties of the WO_3 with different morphologies after annealing at 600°C.

Sample	BET surface area (m^2/g)	Pore volume (cm^3/g)	Average pore diameter (nm)
0D nanoparticles	58.01	0.18	11.16
2D nanosheets	17.06	0.13	27.99
3D hierarchical spheres	8.58	0.07	32.93