Deposition of titania layer on spherical porous silica particles and their nanostructure-induced vapor sensing properties

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Fig. S1  A present setup for the vapor sensing tests.
Fig. S2  FT-IR spectra of S@T, S@T_ex, S@T_exc and S@T_c.
Fig. S3  Enlarged nitrogen adsorption/desorption isotherms of the samples shown in Fig. 3.
**Fig. S4** Enlarged BJH pore size distributions of the samples (S and S@T_ex) shown in Fig. S3.
Fig. S5  TG-DTA curves of as-synthesized titania-stearic acid hybrid spherical particles.
Fig. S6  Nitrogen adsorption/desorption isotherms of the samples (S, S@T_ex and S@T) after the calcination at 1000 °C for 1 h.
Fig. S7  Optical microscope images of each coating before and after the vapor sensing tests.