Electronic Supplementary Information

The effect of noble metal (Au, Pd, Pt) nanoparticles on the gas sensing performance of SnO_2-based sensors: a case study on the {221} high-index faceted SnO_2 octahedra

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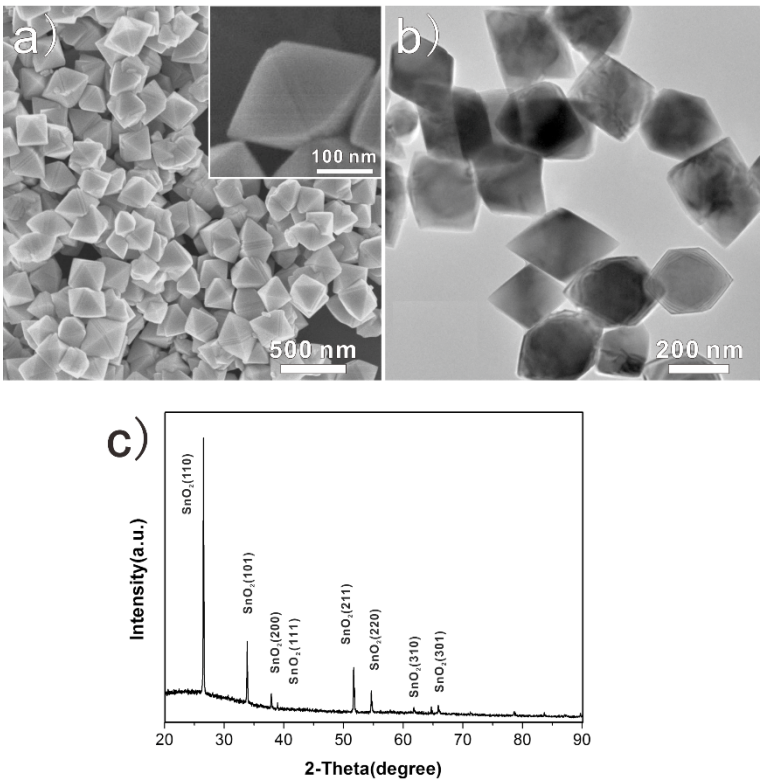

Fig. S1 (a) SEM image, (b) TEM image and (c) XRD patterns of {221} faceted SnO_2 octahedral NCs.

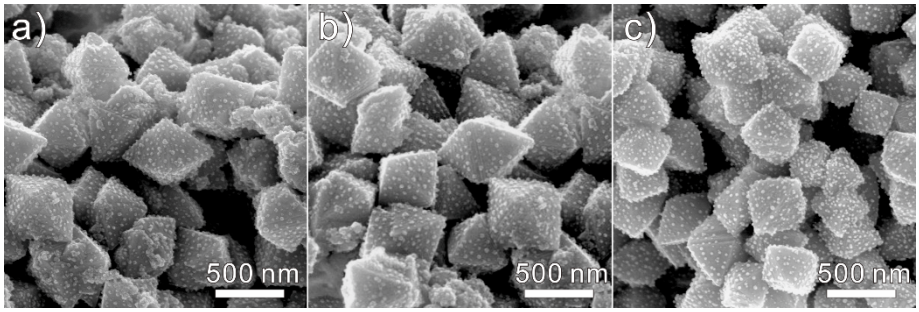

Fig. S2 SEM images of SnO_2/Au, (b) SnO_2/Pd, and (c) SnO_2/Pt.

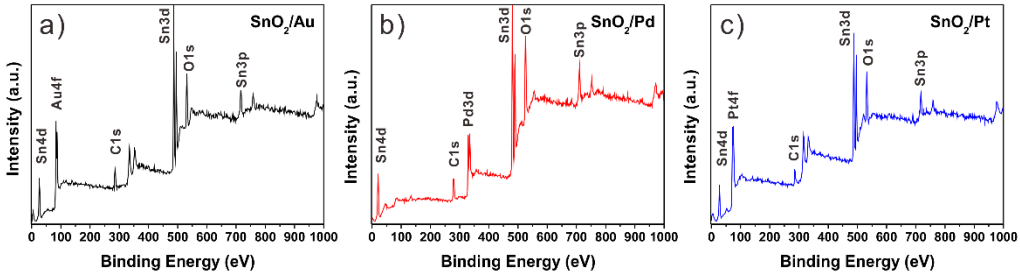

Fig. S3 XPS survey spectra of (a) SnO_2/Au, (b) SnO_2/Pd, and (c) SnO_2/Pt.