Supporting Information

Development of Pd/In_2O_3 Hybrid Nanoclusters to Optimize the Ethanol Vapor Sensing

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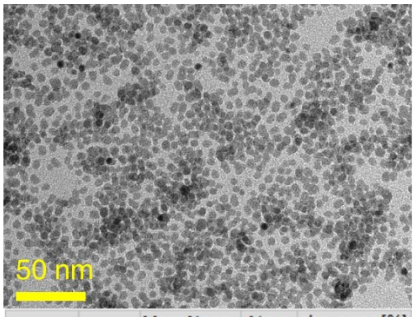
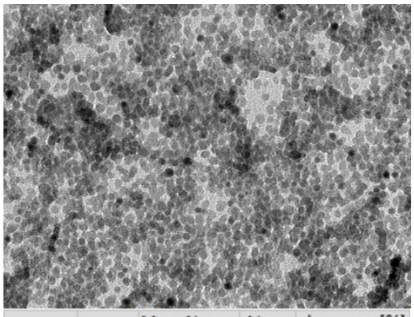
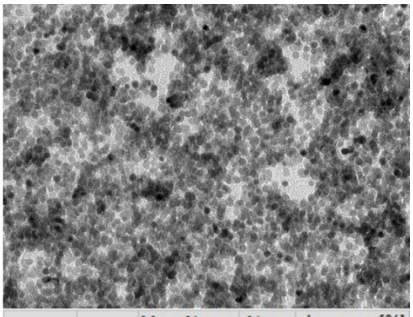


Element	At. No.	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)
Pd	46	4.49	2.15	0.46
In	49	75.23	33.34	3.24
O	8	20.28	64.51	0.68
		100.00	**100.00**	



Element	At. No.	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)
Pd	46	12.09	6.46	0.72
In	49	71.58	35.47	2.93
O	8	16.33	58.07	0.55
		100.00	**100.00**	



Element	At. No.	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)
Pd	46	21.68	11.54	1.05
In	49	61.98	30.58	2.62
O	8	16.34	57.88	0.55
		100.00	**100.00**	

Figure S1 The TEM images and EDS elemental analysis results of the Pd/In_2O_3 NC films with three different Pd loading amounts

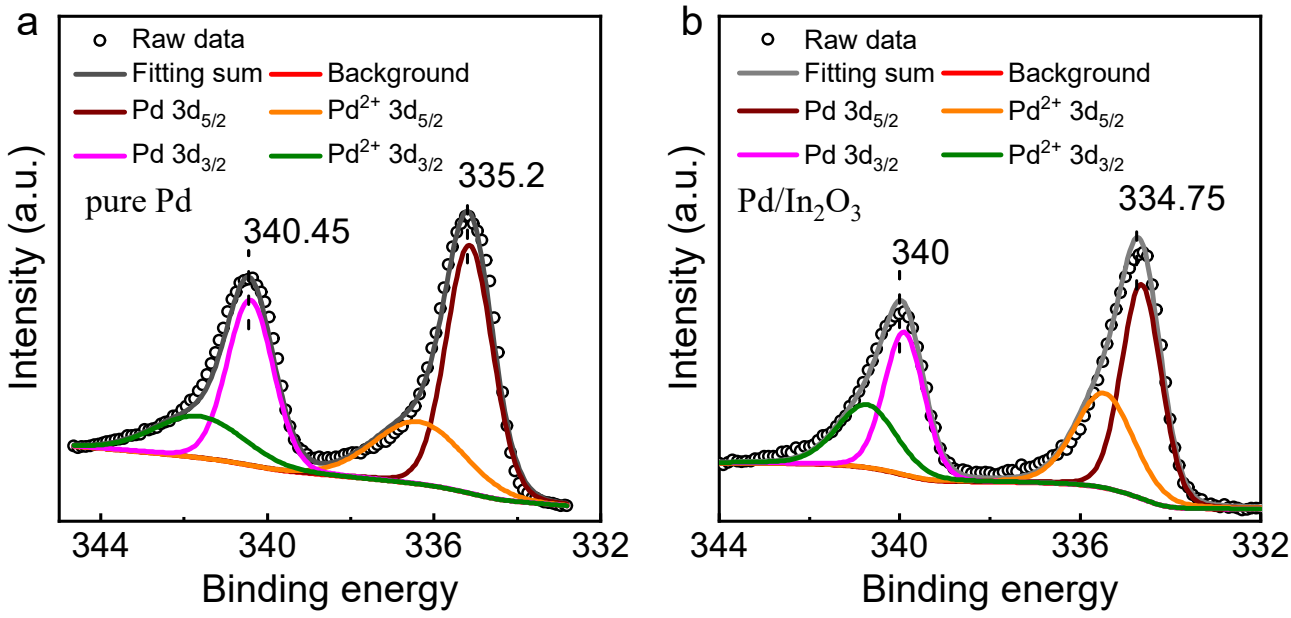


Figure 2. Pd 3d XPS spectra of (a) Pd and (b) Pd/In_2O_3.