

Supplementary Information

Electrochemical Sensing Platform Based on Schiff-base Cobalt (II)/Single-walled carbon nanohorns complexes System

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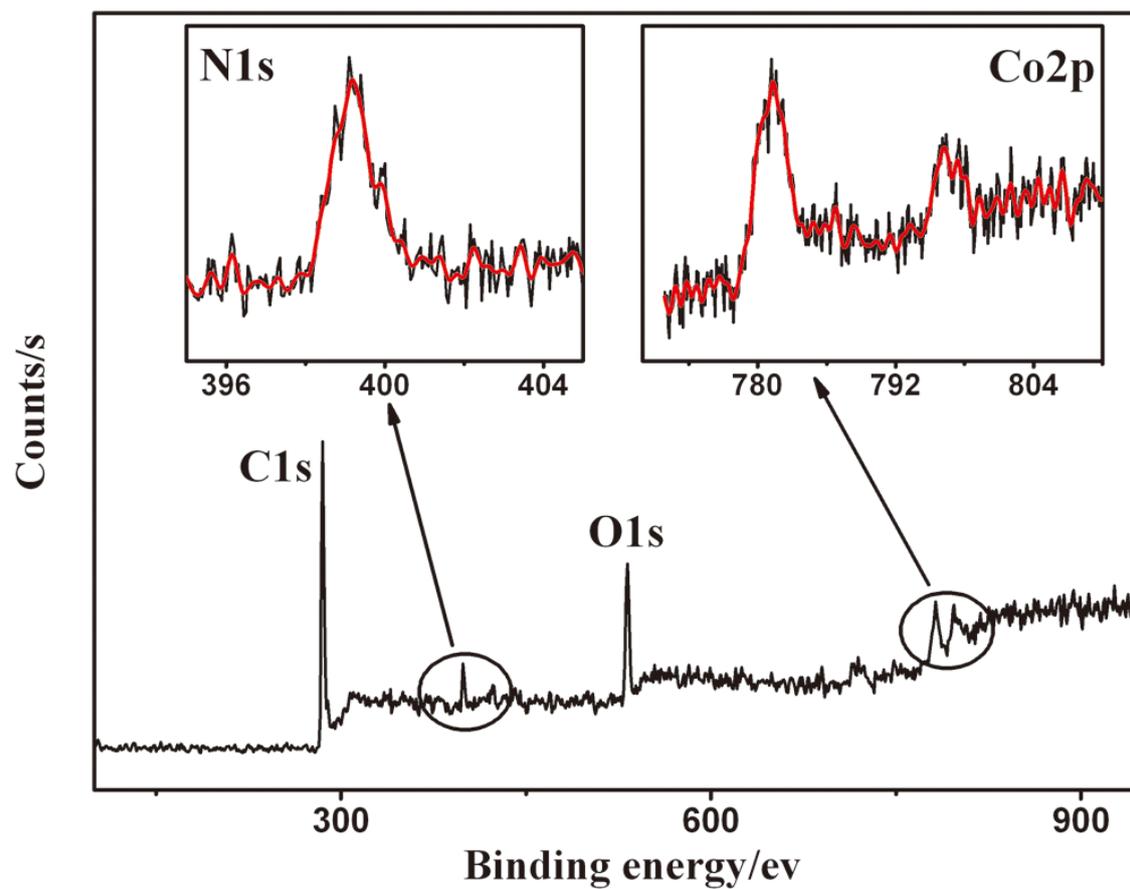


Fig. S1. XPS of bare Co-salen. N 1s and Co 2p_{3/2} energy areas are displayed in inset.

	Hydrazine	Hydrogen peroxide
	Co-salen/SWNHs/GCE	
Detection limit (μM)	0.1	10
Linear rang (μM)	1-96	50-4600
Sensitivity ($\mu\text{A}/\text{mM}$)	2.4	1.8
Response time (s)	5	4

Table. S1. Analytical Parameters for hydrazine and hydrogen peroxide calibration curves at

Co-salen/SWNHs/GCE obtained by amperometric responses.