Nanostructured silver tungstate rods decorated on graphitic carbon nitride: An effective electrocatalyst for electrochemical sensing of carcinogenic organic pollutant metol

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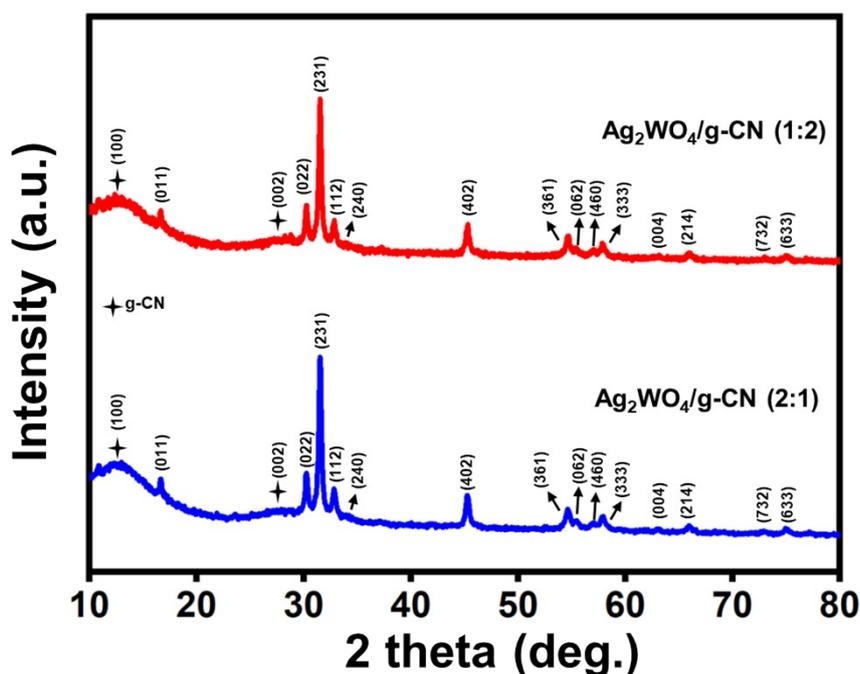
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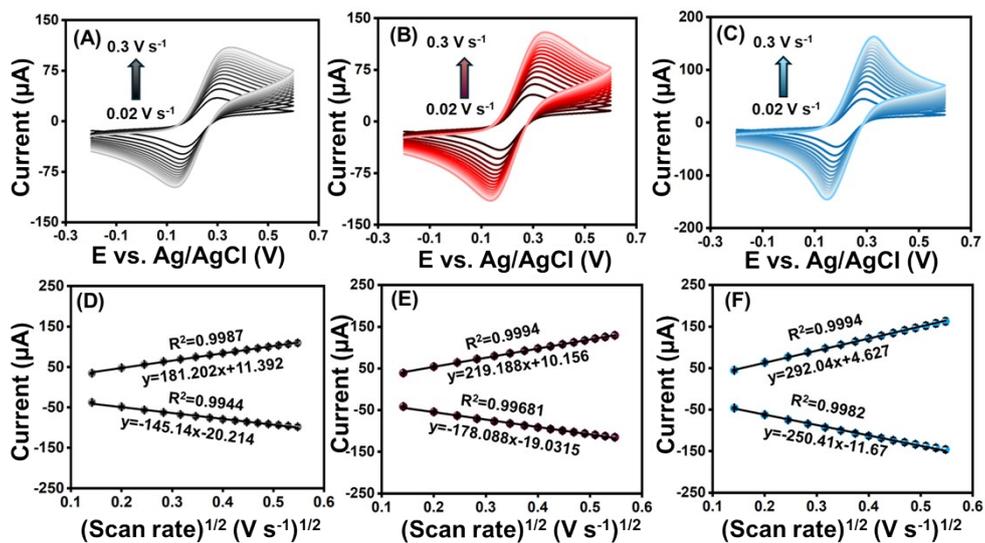**Fig.S1. XRD patterns of Ag$_2$WO$_4$/g-CN (2:1 and 1:2) composite**

Fig.S2. (A-C) CV curves of bare, g-CN and Ag$_2$WO$_4$ modified SPCE electrode, respectively (D-F) corresponding to the linear plot of bare, g-CN and Ag$_2$WO$_4$ modified SPCE electrode, respectively
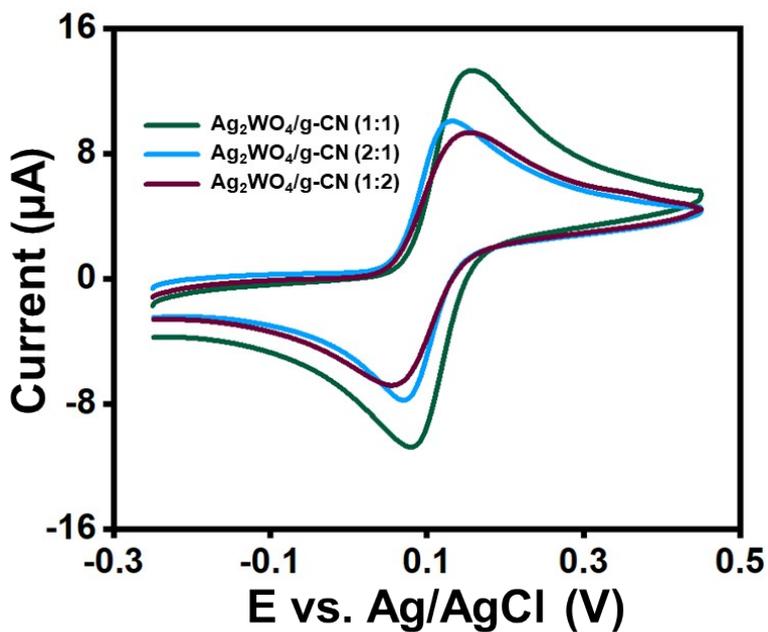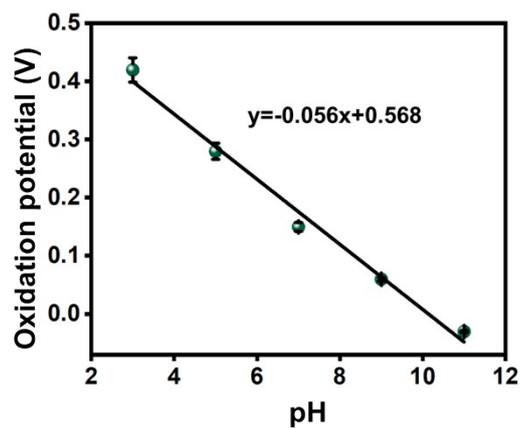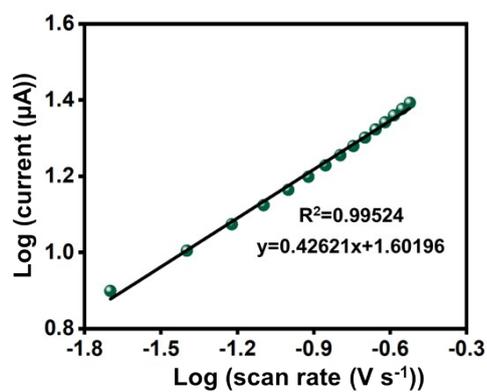

Fig. S3. CV curves of MTL on different ratios of Ag$_2$WO$_4$/g-CN/SPCE

Fig. S4. Variation of the anodic peak potential as a function of the pH value of 0.1 M PB solution

Fig. S5. Linear relationship between Log (scan rate (V s^{-1})) vs. Log (current (μA))

Table S1. Determination of MTL in Real samples with AgW/g-CN (1:1)/SPCE sensors

Sample	Spiked (µM)	Found (µM)	Recovery (%)
Pond water	5	4.91±0.06	98.2
	10	9.72±0.10	97.2
	15	14.83±0.21	98.9
River water-I	5	4.82±0.08	96.4
	10	9.85±0.16	98.5
	15	14.79±0.18	98.6
River water-II	5	4.89±0.07	97.8
	10	9.74±0.17	97.4
	15	14.88±0.24	99.2
Tap water	5	4.90±0.06	98.0
	10	9.83±0.13	98.3
	15	14.82±0.28	98.8