

Figure S1. The XRD patterns of (a) GO and (b) Cu NWs.



Figure S2. (a) Cyclic voltammograms of the Nafion/Cu NWs-GO/GCE in 0.1M PBS (pH 7.0) containing 20 μ M AA, 50 μ M DA, and 50 μ M AC at different scan rates (40-240 mV•s⁻¹) and the corresponding plots of current vs. scan rate of (b) AA, (c) DA, and (d) AC.



Figure S3. DPVs of Nafion/Cu NWs-GO/GCE in 0.1M PBS (pH 7.0) containing (a) AA: 1, 5, 10, 15, 20, 35, 45, 55, 60, 66, 72, 76, 80, 86 μ M; (b) DA: 1, 5, 10, 30, 40, 50, 60, 80, 100, 120 μ M; and (c) AC: 1, 5, 10, 20, 40, 50, 80, 90, 100, 110 μ M. The corresponding calibration plots of (d) AA, (e) DA, and (f) AC, respectively.



Figure S4. DPVs at Nafion/Cu NWs-GO/GCE in 0.1 M PBS (pH 7.0) (a) containing 10 μ M DA, 10 μ M AC and different concentrations of AA: 1, 5, 10, 20, 36, 40, 43, 46, 55, 60 μ M; (b) containing 0.01 μ M AA, 10 μ M AC and different concentrations of DA : 10, 20, 40, 60, 80, 100, 120, 140, 160 μ M; (c) containing 10 μ M AA, 10 μ M DA and different concentrations of AC : 1, 5, 10, 20, 40, 50, 80, 90, 100, 110 μ M. Plots of the anodic peak currents vs. (d) AA, (e) DA and (f) AC concentrations, respectively.



Figure S5. Interference test of Nafion/Cu NWs-GO/GCE upon the addition of different substances, DPVs with (a) 1 μ M AA, 1 μ M DA, 1 μ M AC and with (b) addition of 10 mM glucose, 20 μ M UA, 1 mM NaCl and 1 mM KCl.

	Ref. 22			_	Ref.46			This work		
Foreign	AA	DA	AC	AA	DA	AC	AA	DA	AC	
species	(20	(100	(50	(25	(25	(25	(1)			
	μM)	μM)	μM)	μM)	μM)	μM)	(1 µM)	(1 µM)	(1 µM)	
Glucose	300	300	400	80	80	100	10000	10000	10000	
	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	
Uric acid				20	15	8 μΜ	20 µM	20 µM	20 µM	
	-	-	-	μΜ	μΜ		20 µM			
Na ⁺	400	1000	350	1000	1000	1000	1000	1000	1000	
	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	
K^+	400	1000	350	1000	1000	1000	1000	1000	1000	
	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	
Cl-	300	1000	400	1000	1000	1000	1000	1000	1000	
	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	μΜ	

Table S1. Comparison of different electrodes on selectivity study.