

Electronic Supplemental Materials

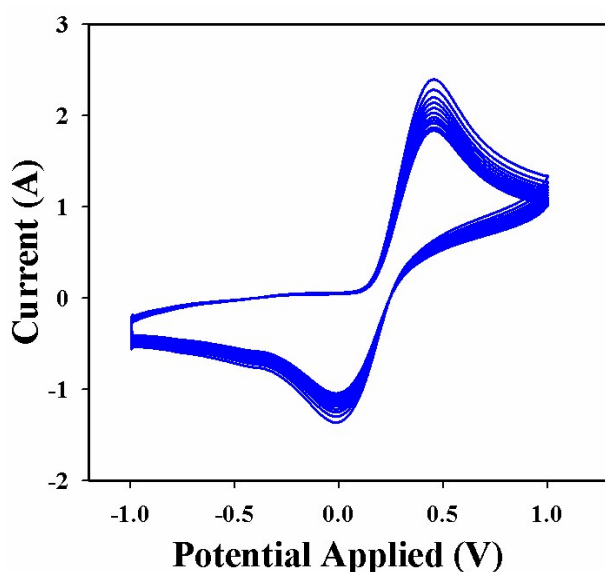


Figure S1. Stability of the CuO.Fe₂O₃ NCs/GCE sensor probe is performed in the ferrocyanide couples

Table S1. Determination of uric acid by using CuO.Fe₂O₃ NCs modified electrode in different electrochemical approaches

Methods	Sensitivity ($\mu\text{A}\mu\text{M}^{-1}\text{cm}^{-2}$)	LDR (μM)	LOD (μM)	Ref.
HPLC-UV method	-	1.7-4.0	1.42	1
Enzymatic-fluorescent	-	0.2-6.0	0.10	2
Dual enzyme-fluorescent	-	125-1000	125	3
Enzymetric-UV absorption	-	2.0-200	0.36	4
Potentiometric non-enzymatic	-	-	0.50	5
Fluorometric	-	0.4-3.6	0.10	6
Flow-injection chemiluminescence	-	0.4-200	0.12	7
Capillary electrophoresis	-	0.6-30	0.35	8

Electrochemical method	-	0.2-500	0.16	9
I-V method	1.6×10^{-4}	0.1 nM ~ 0.1 M	60.0 pM	10
I-V	3.16×10^{-5}	100.0 ~ 10.0 (nM ~ mM)	10.2 pM	This work

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