

Supporting information

Simple electroless plating of platinum nanoparticles on graphdiyne for chlorogenic acid electrochemical sensing

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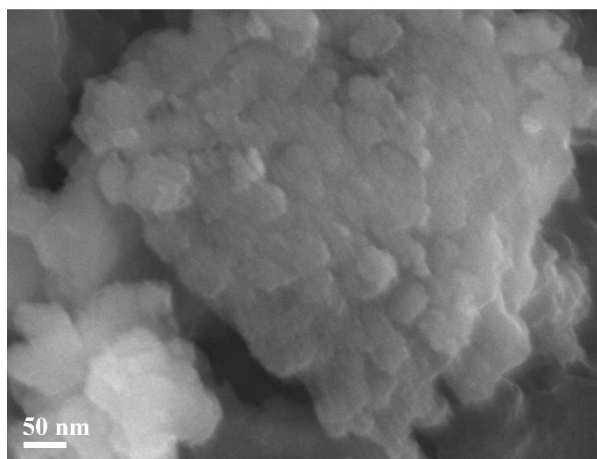


Figure S1. The higher-resolution SEM image of Pt/GDY.

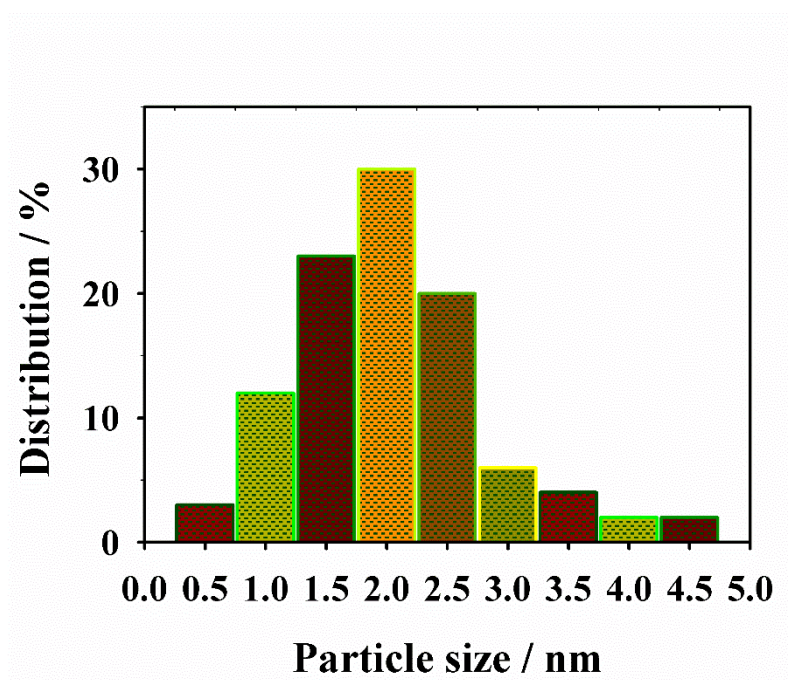


Figure S2. The distribution of Pt NPs size.

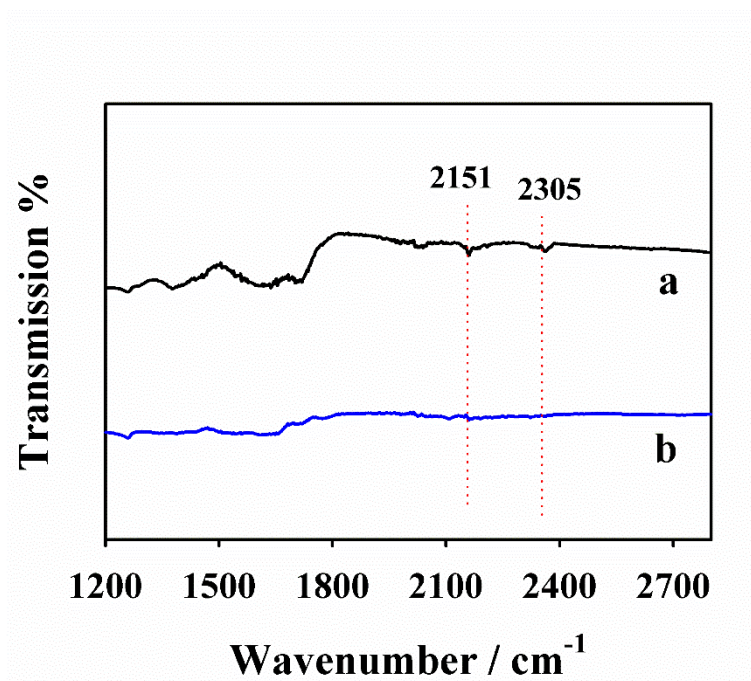


Figure S3. FT-IR spectroscopy of (a) GDY and (b) Pt/GDY.

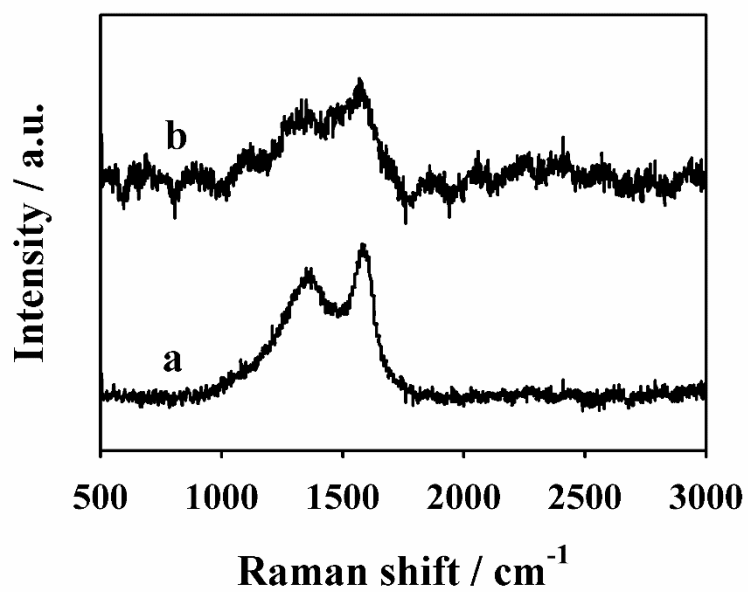


Figure S4. Raman spectroscopy of (a) GDY and (b) Pt/GDY.

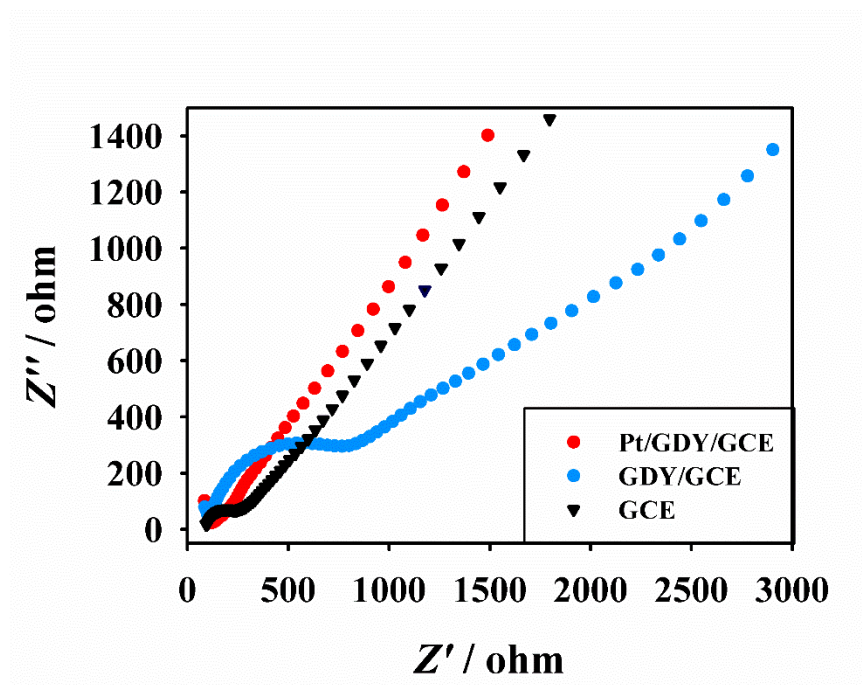


Figure S5. EIS plots of different electrodes.

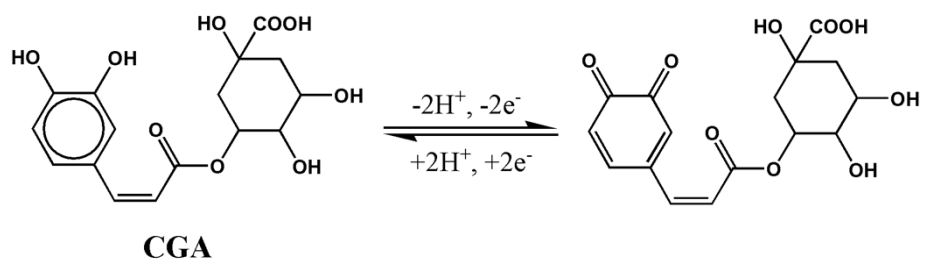


Figure S6. The proposed electrochemical redox mechanism of CGA at Pt/GDY/GCE.

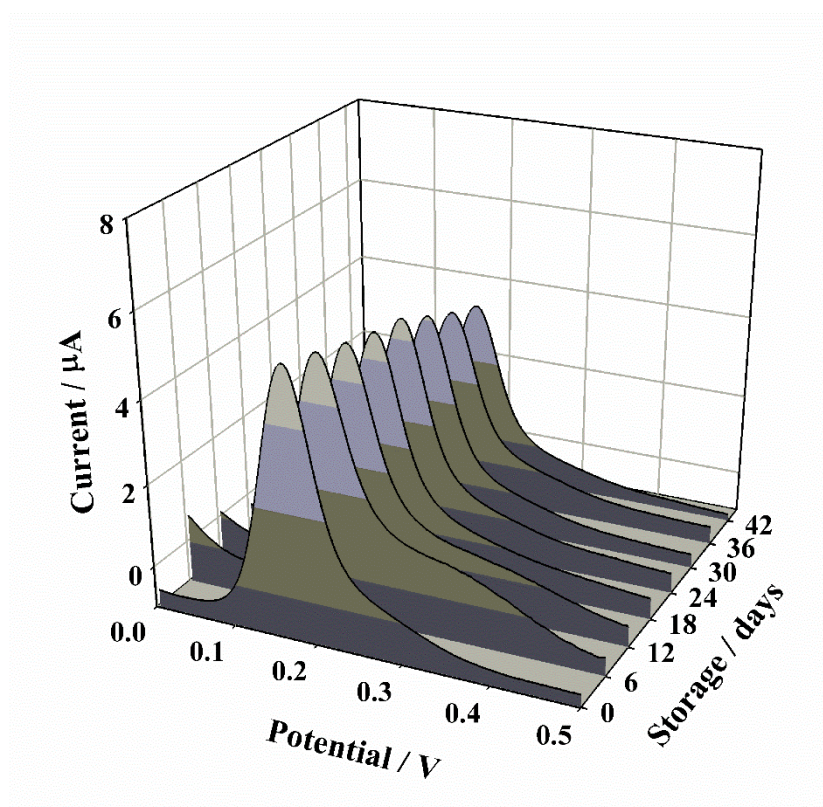


Figure S7. The DPV responses of Pt/GDY/GCE upon different storage time.

Table S1. The detection of CGA based on Pt/GDY sensor in real samples.

Samples	Added / nM	Found / nM	Recovery (%)
Serum	50	48.6	97.2
	200	185.3	92.6
	500	474.5	94.8
Coffee	50	46.2	92.4
	200	188.6	94.3
	500	460.7	91.5