In situ grown AuNPs on MXene/rice husk biochar nanocomposites for high-performance electrochemical sensing of acetaminophen

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Number of pages: 6

Number of Figures: 1 (Fig. S1)

Number of Tables: 2 (Table S1-S2)

Content

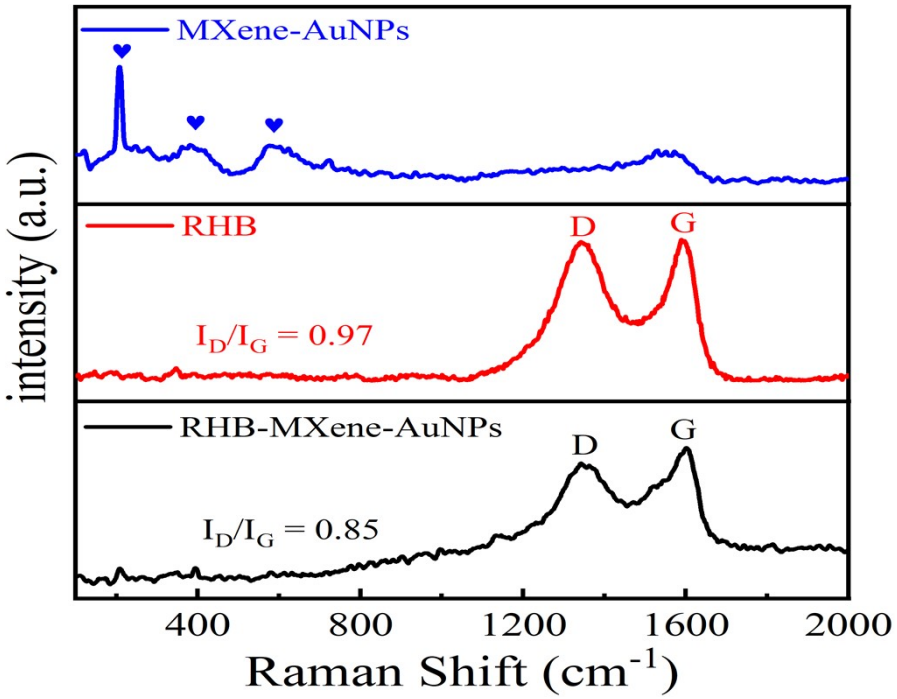

Fig. S1. Raman of MXene-AuNPs, RHB, RHB-MXene-AuNPs

Table S1 Effective surface area of different electrodes

Electrodes	Effective surface area (cm^2)
MXene/GCE	0.436
MXene-AuNPs/GCE	0.516
RHB/GCE	1.739
RHB-MXene-AuNPs/GCE	1.667

Table S2 Performance comparison of different modified electrodes for the detection of APAP

Modified electrodes	Methods	Linear ranges (μM)	LOD (μM)	Ref.
$BaTiO_3$/GCE	DPV	10 - 100.0	0.350	1
TFPB-BD-COF/caCTF-1-700/COOH-MWCNT/GCE	DPV	0.6 - 150.0	0.053	2
GTO(S)-Gr/GCE	DPV	0.05 - 1.5	58.85	3
Ni_2P NS/GCE	I-t	0.5 - 4500	0.107	4
Ni/C-400/GCE	DPV	0.2 - 53.75	0.0404	5
Sn@C/GCE	DPV	0.2 - 100.0	0.020	6
Ag-ZIF-67p/GCE	DPV	0.5 - 200.0	0.200	7
RHB-MXene-AuNPs/GCE	DPV	0.03 - 8.88	0.0214	This work

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