

Gold nanoparticle-decorated on MoS₂ nanosheets for simultaneous detection of ascorbic acid, dopamine and uric acid

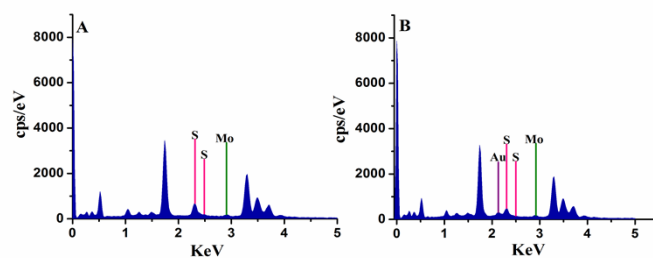


Figure S1. EDX of synthesized (A) MoS₂ and (B) AuNPs-decorated MoS₂.

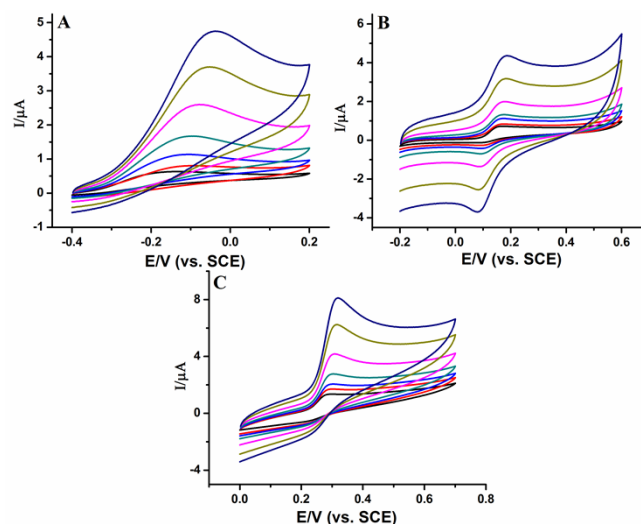


Figure S2. (A-C) Cyclic voltammograms of AA, DA and UA at AuNPs@MoS₂/GCE in pH 7.0 PB solution at scan rates of 10, 20, 30, 50, 100, 200, 300 mV/s, respectively.

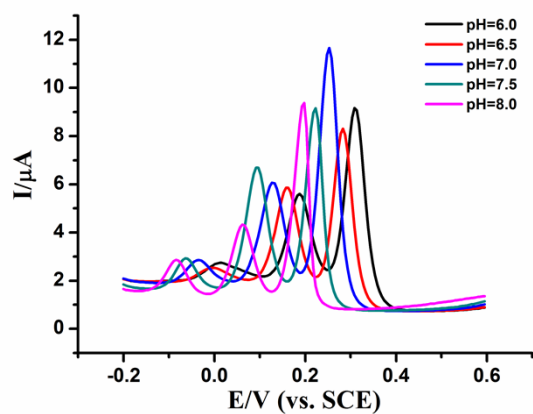


Figure S3. DPV profiles at AuNPs@MoS₂/GCE in pH value containing 30 mM AA, 10 μM DA and 60 mM UA in 0.1 M PB solution.

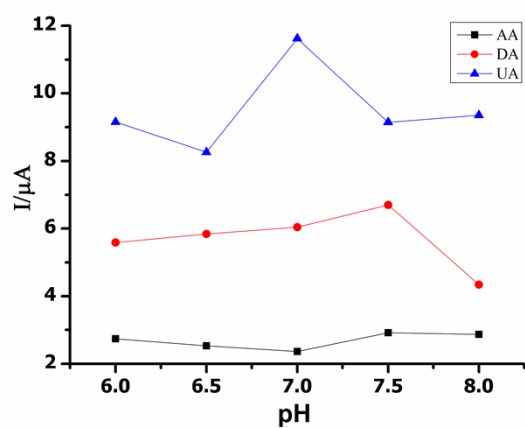


Figure S4. Effect of pH by DPV on the peak current of AA, DA and UA.