

Supplementary Information

Figure S1. Cyclic voltammograms of 1 mM $\text{Fe}(\text{CN})_6^{3-}$ in PBS buffer (pH 7, 0.1 M KCl) recorded at: polished GCE (—); GA/GCE (—); GA/GCE after sonication (—).

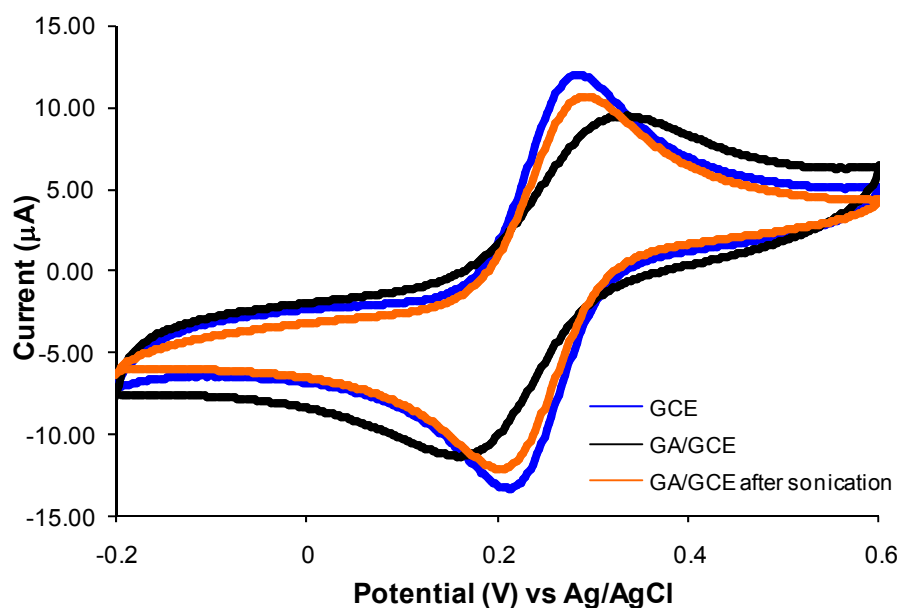


Figure S2. Cyclic voltammograms of 1 mM $\text{Fe}(\text{CN})_6^{3-}$ in PBS buffer (pH 7, 0.1 M KCl) recorded at polished GCE (—) and at polished GCE after immersion in a solution of ABP for 2 h (—), 4 h (—) and 20 h (—).

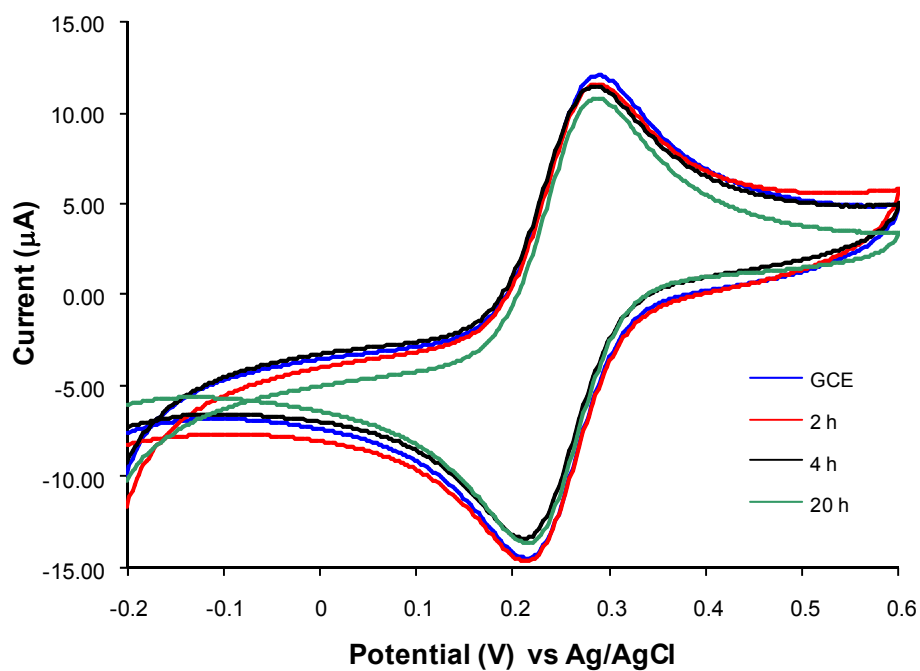


Figure S3. The effect of the reduction potential on the analytical signal of 0.4 μM Ag(I). The reduction potentials were: -0.1 V ; -0.2 V ; -0.4 V ; -0.6 V ; -0.8 V .

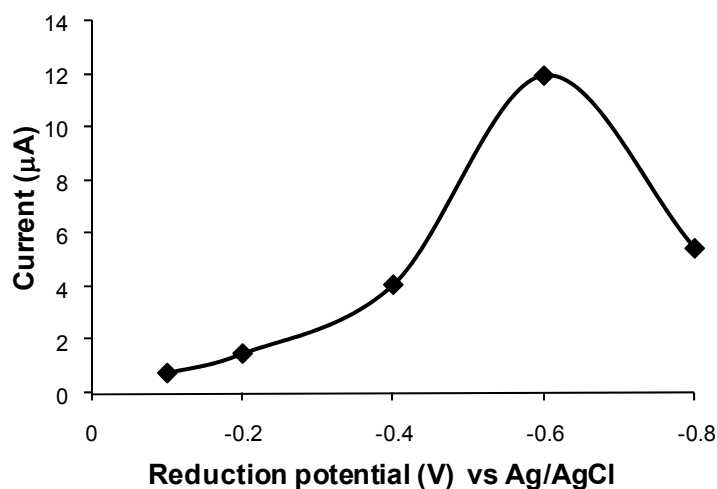


Figure. S4. The effect of the reduction and accumulation time on the analytical signal of 0.4 μM Ag(I). The times were 30 s; 60 s; 90 s; 120 s; 180 s; 210 s; respectively 240 s.

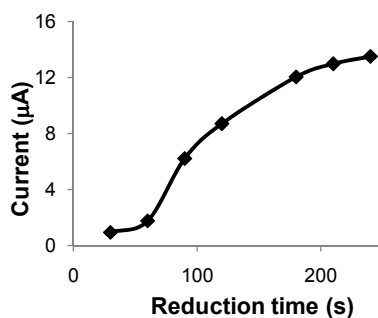


Figure S5. The effect of the scan rate on the analytical signal of 0.4 μM Ag(I). The domain of the studied scan rate was from 0.001 V/s to 0.1 V/s.

