

Supplementary data

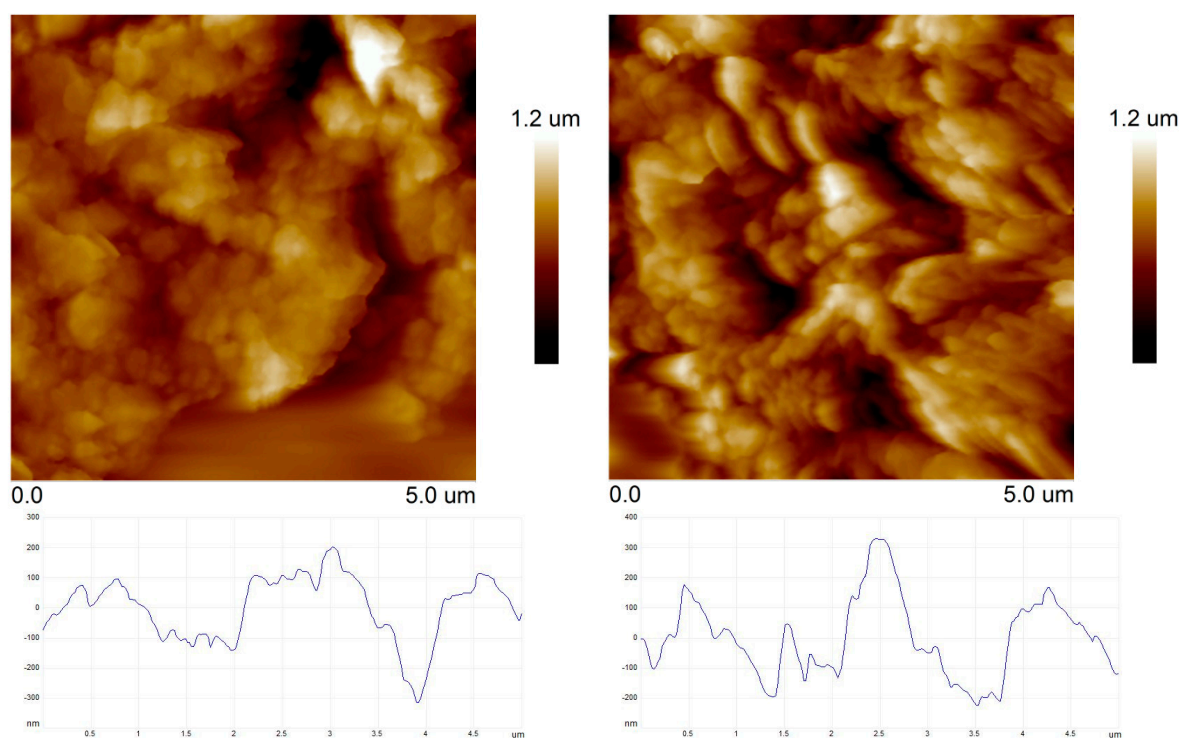


Fig. S1 2D AFM images and profiles of gold electrodes modified with graphene oxides: GO I (left) and GO II (right) suspensions in concentration of 20 g L^{-1}

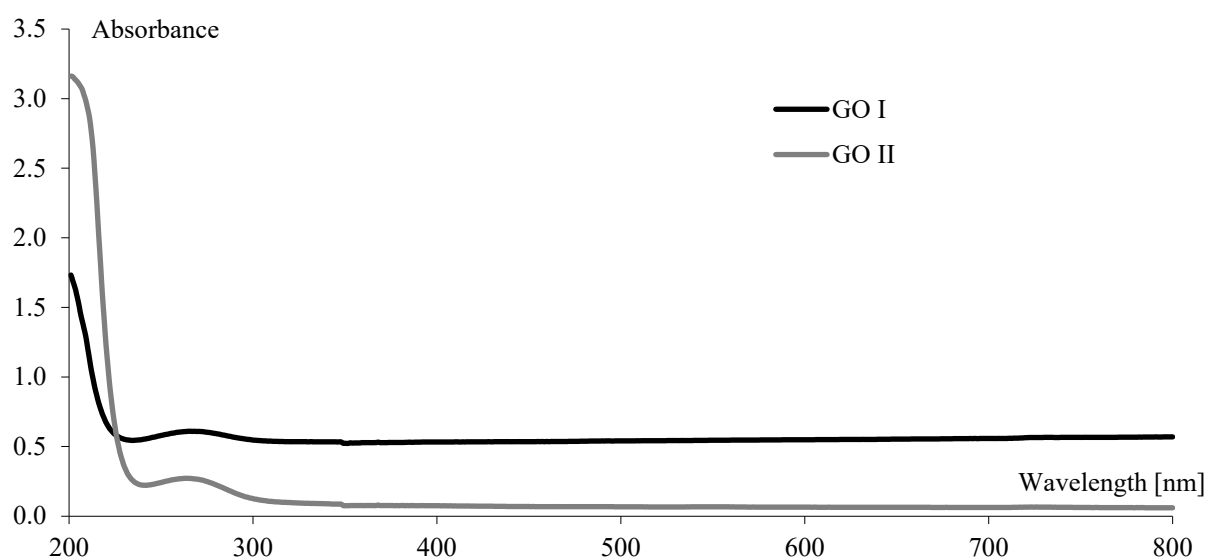
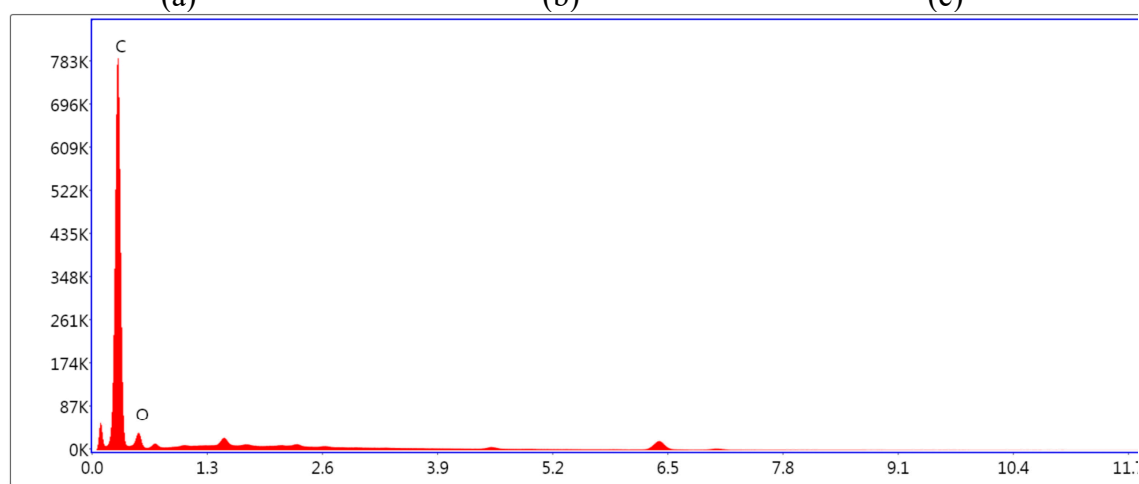
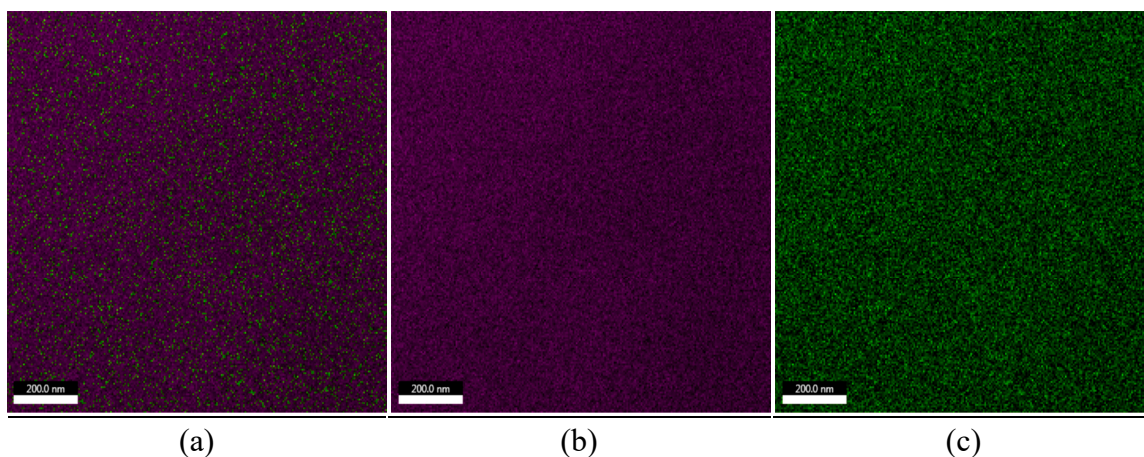


Fig. S2 UV-Vis spectra of GO I and GO II aqueous suspensions



Lsec: 1927.8 0 Cnts 0.000 keV Det: Octane Super Det

Fig. S3. The quantitative EDS element mapping of GO I (a); carbon C K (b); oxygen O K (c) and EDS spectrum (d).

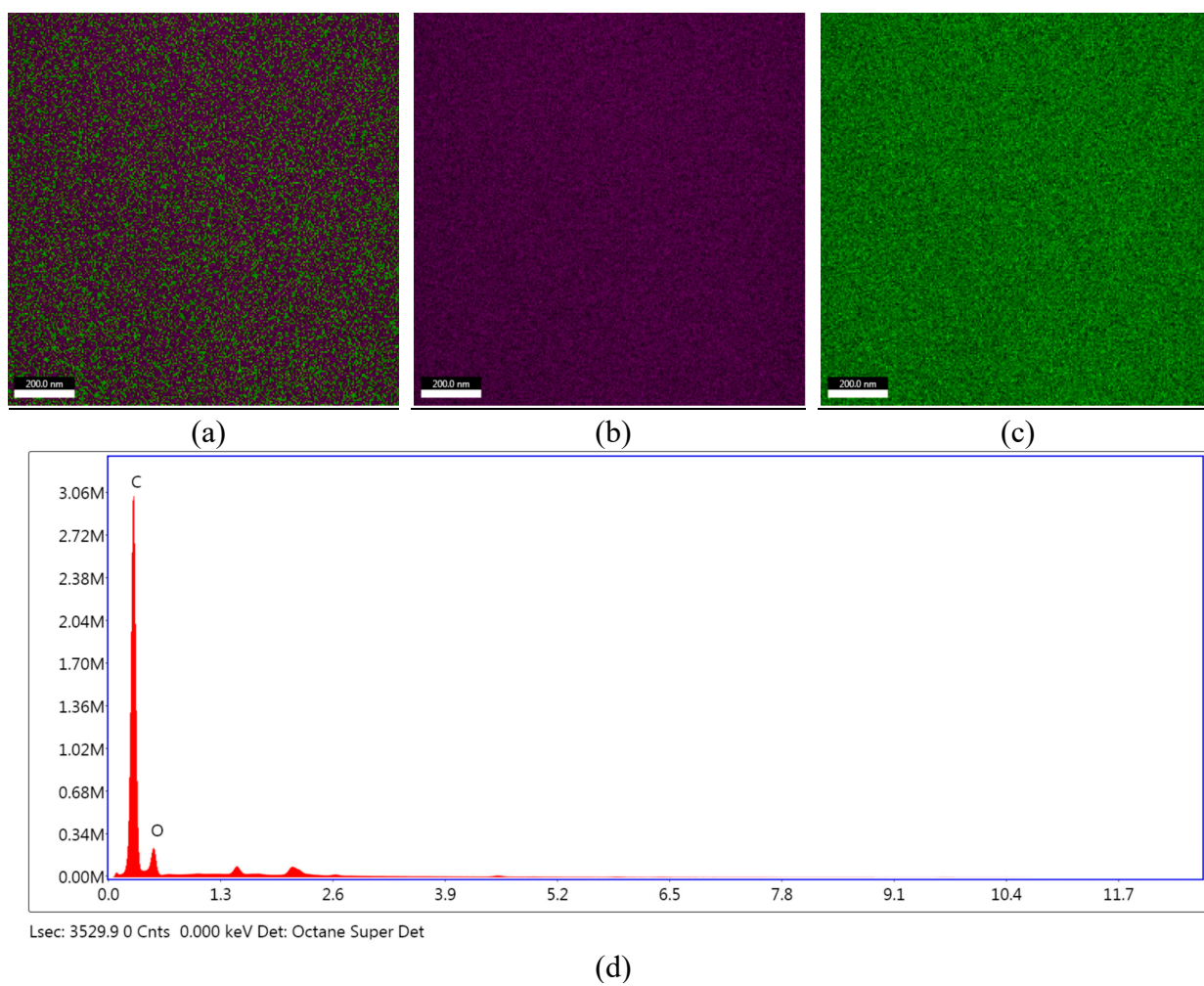


Fig. S4. The quantitative EDS element mapping of GO II (a); carbon C K (b); oxygen O K (c) and EDS spectrum (d).