

Supplementary Materials

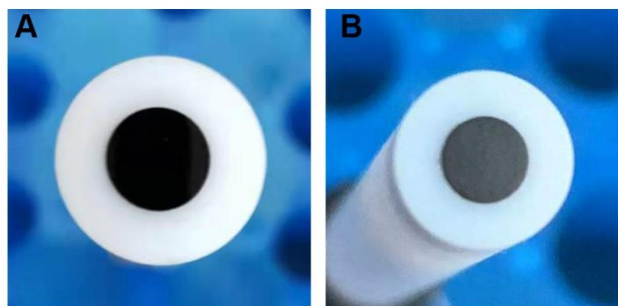


Figure S1. The morphological photos of the surfaces of electrodes that before (A) and after (B) modified by Au-Pd-rGO nanomaterials.

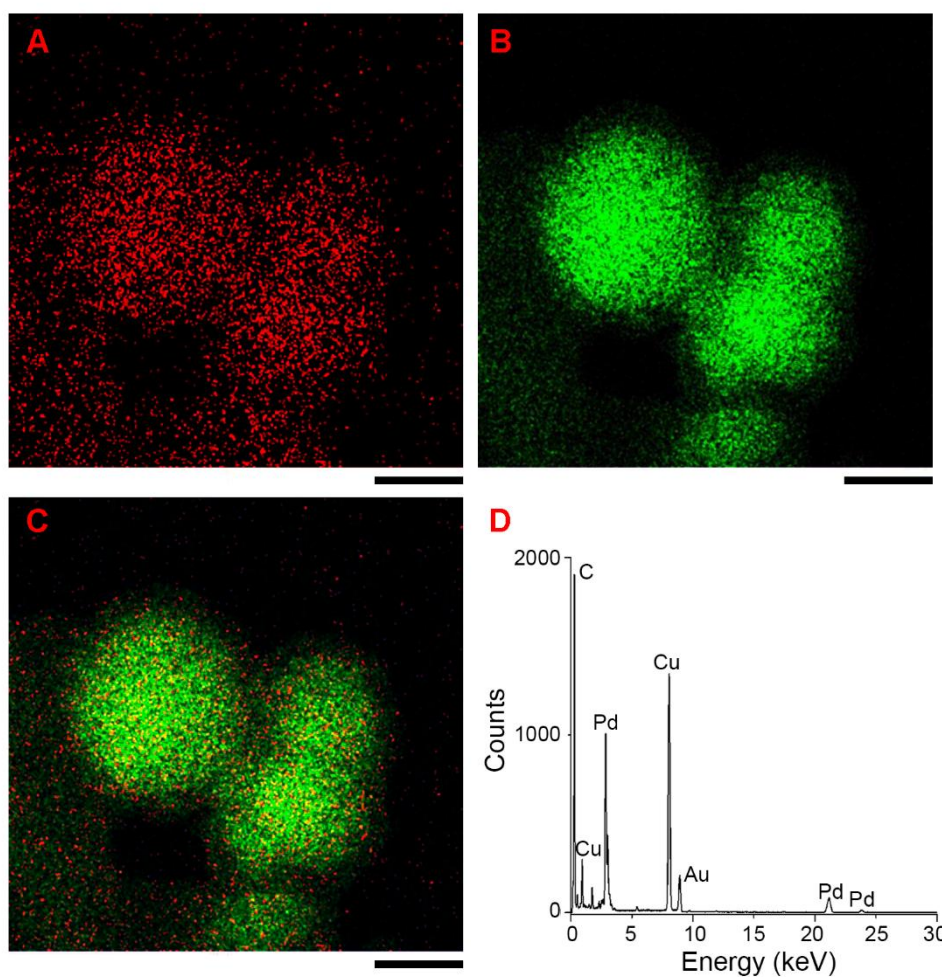


Figure S2. The elemental mapping and EDX analysis of rGO-Au-Pd. The mapping of Au (A), Pd (B) and the merge mapping of Au-Pd elements. (Scale bar, 10 nm). (D) The EDX analysis of rGO-Au-Pd.

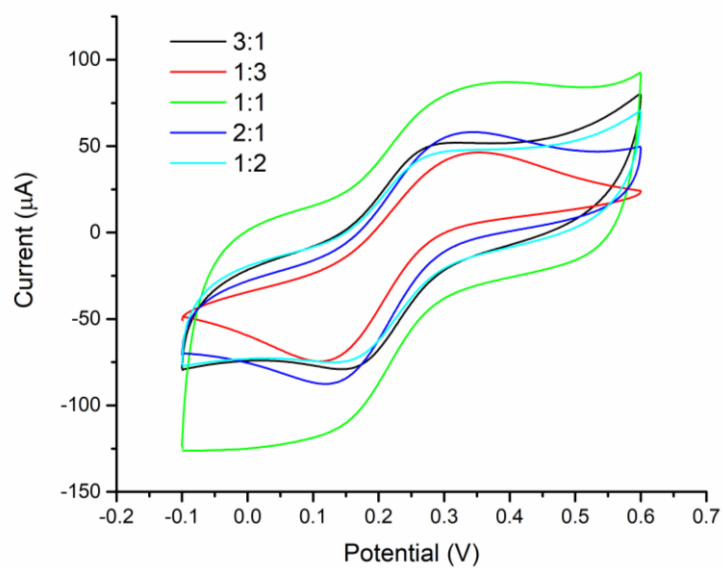


Figure S3. Optimization of experimental conditions of the proportion (3:1, 2:1, 1:1, 1:2, 1:3) of Au and Pd used in the synthesis of nanomaterial.

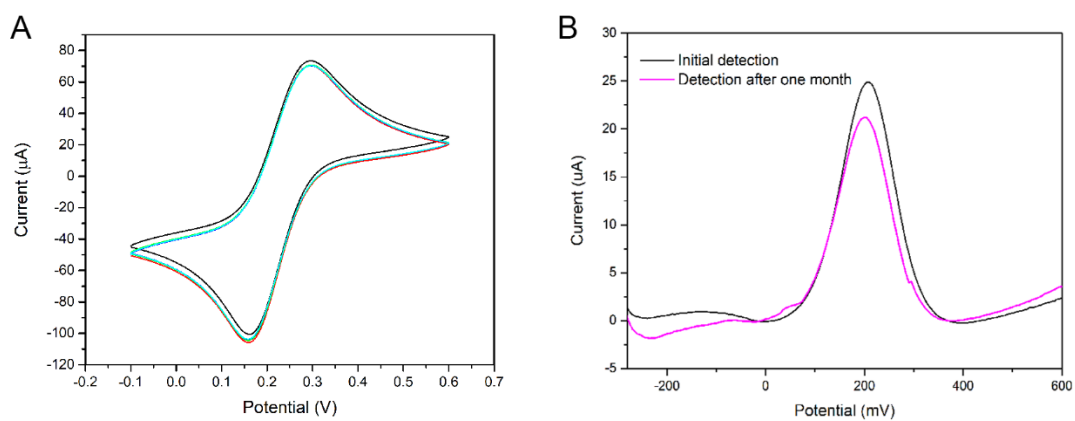


Figure S4. The study of the reproducibility (RSD=1.86 %) and stability of the prepared biosensor.