

Supporting Information

Nanocomposites of Size-Controlled Gold Nanoparticles and Graphene Oxide: Formation and Applications in SERS and Catalysis

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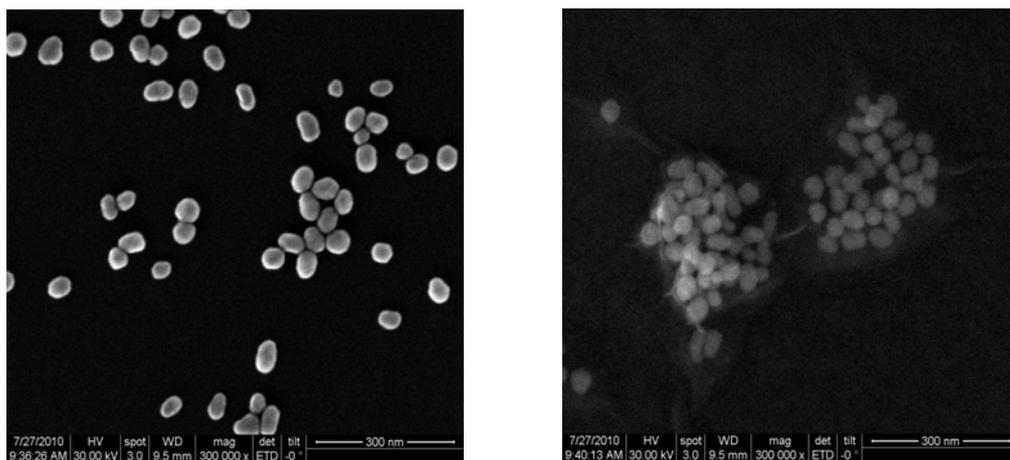


Figure S1: SEM images of the Au nanoparticles (left) and the Au-GO composite (right).

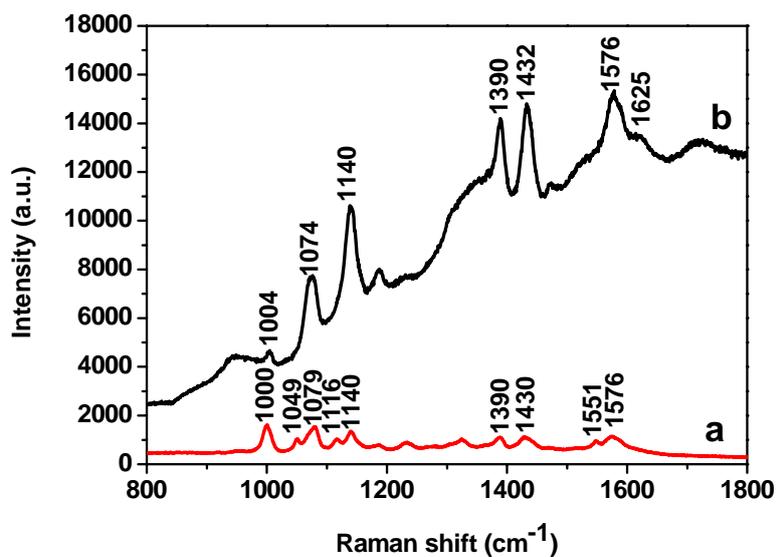


Figure S2: SERS spectra of PATP using (a) the 40 nm Au NPs capped with 2-MPy and (b) the corresponding Au-GO composites as SERS substrates, respectively.

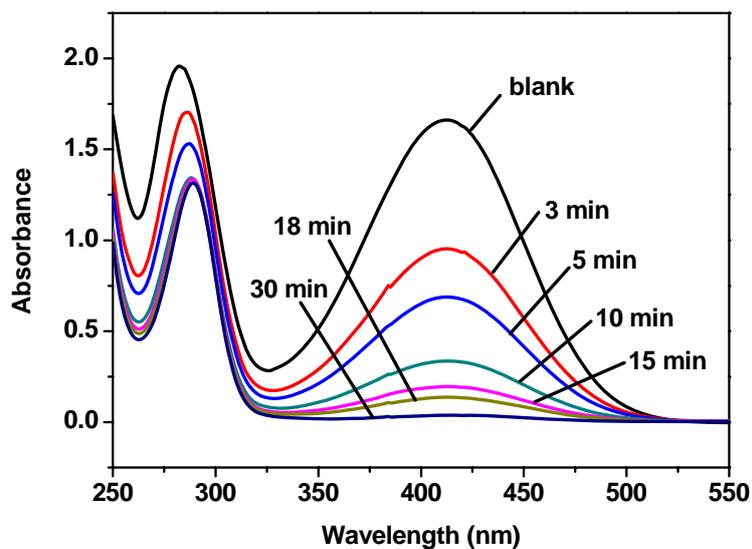


Figure S3: UV-vis spectra of aqueous solution of o-nitroaniline and NaBH₄ in the presence of the aggregated Au NPs.

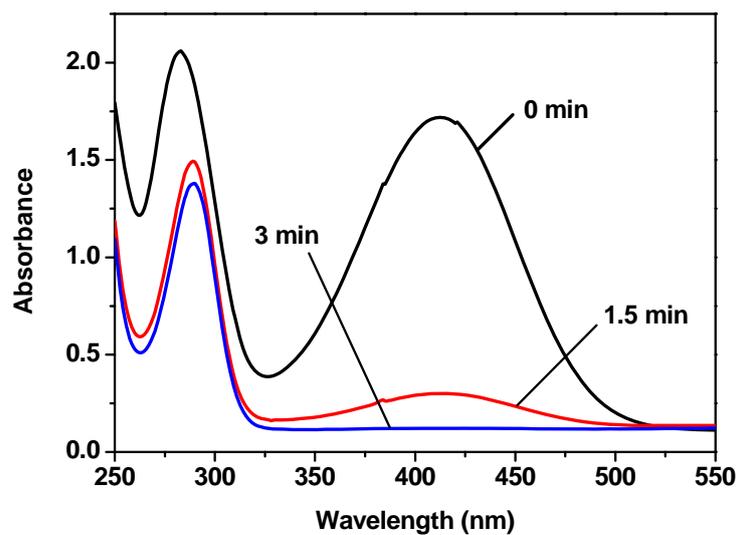


Figure S4: UV-vis spectra of aqueous solution of o-nitroaniline and NaBH₄ in the presence of the Au/C composites.