Fabrication of graphene oxide decorated with Au-Ag alloy nanoparticles and its superior catalytic performance for the reduction of 4-nitrophenol

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Figure S1  (A) Optical photos of stable GO, Ag/GO and Au-Ag/GO (I) suspension (from left to right); (B) the TEM image of GO nanosheets; (C) the AFM image of GO nanosheets
Figure S2  EDX spectra of (A) Ag/GO and (B) Au-Ag/GO (I)
Figure S3 (A) EDX spectrum of Au-Ag/GO (II); (B) HRTEM images of Au-Ag/GO (II); (C) EDX liner scanning image of the NPs in (B)

Figure S4 FTIR spectra of GO and Au-Ag/GO (I)
Figure S5 Raman spectra of GO and Au-Ag/GO (I)

Figure S6 TEM image of Au-Ag/GO (I) after the catalytic test
Figure S7 (A) the original TEM images of Figure 1F; (B) the original TEM images of Figure 1G