

## Three-dimensional AuAg alloy NPs/graphene/AuAg alloy NPs sandwich hybrid nanostructure for surface enhanced Raman scattering property

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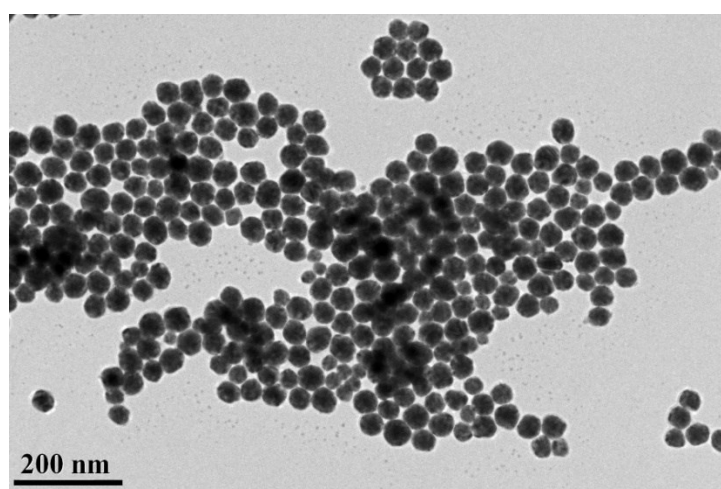


Fig. S1. TEM image of AuAg ANPs that have been stored for several.

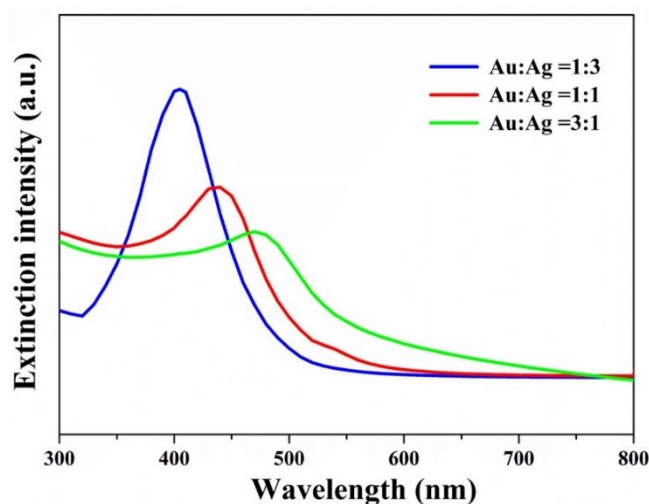


Fig. S2 The extinction spectra of  $\text{Au}_1\text{Ag}_3$  ANPs,  $\text{Au}_1\text{Ag}_1$  ANPs, and  $\text{Au}_3\text{Ag}_1$  ANPs, corresponding to the blue, red, and green curves.