A novel Au@Cu_2O-Ag ternary nanocomposite with highly efficient catalytic performance: Towards rapid reduction of methyl orange under dark condition

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Figure S1

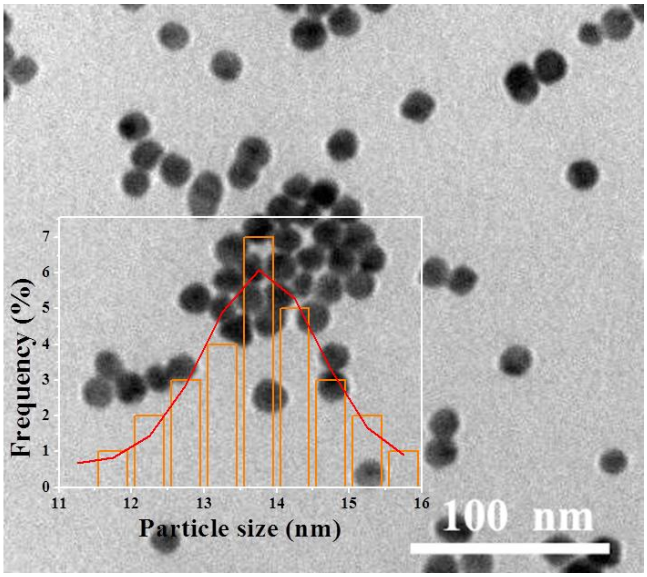

Figure S1. TEM image of the Au nanocrystals, the insert is the particle size distribution.

Figure S2

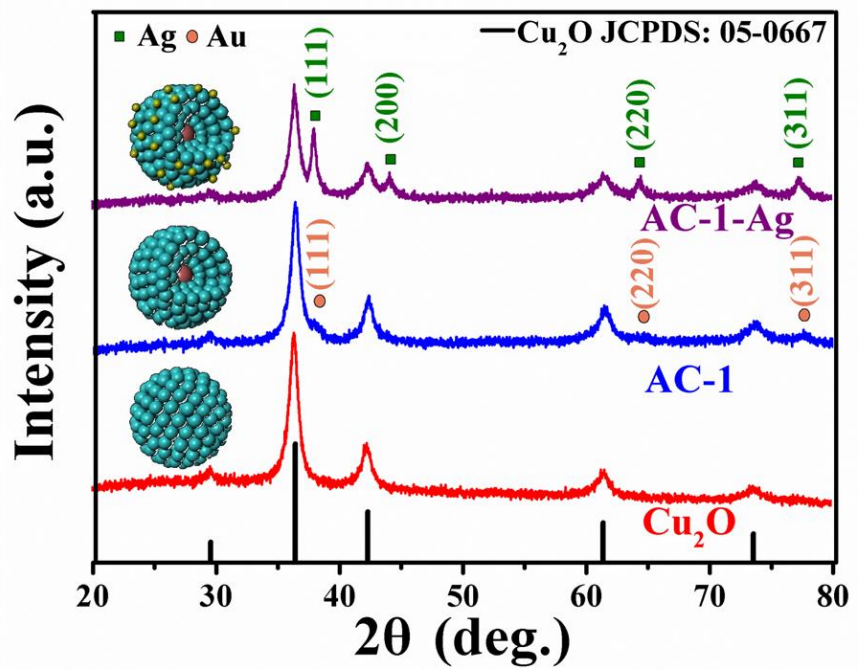

Figure S2. XRD patterns of Cu_2O nanocrystals, AC-1 NCs and AC-1-Ag NCs.

Figure S3

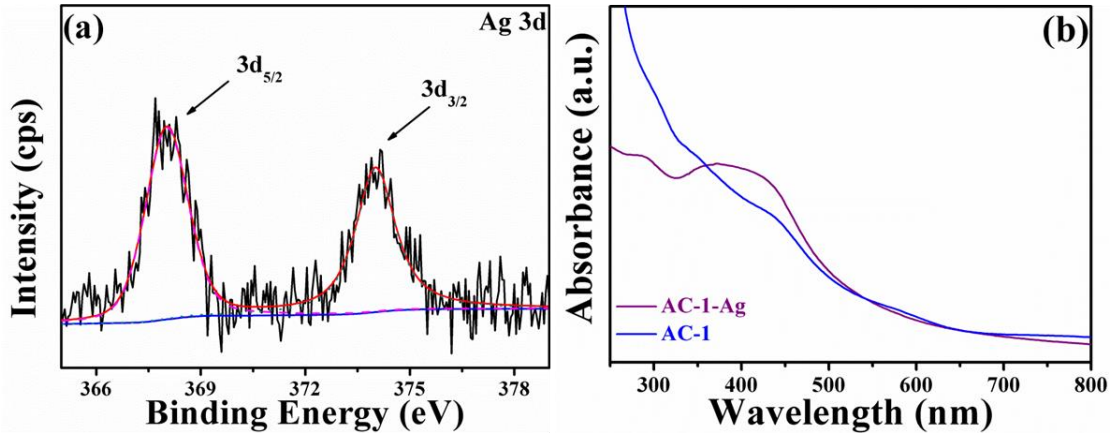

Figure S3. High resolution XPS scans of Ag 3d for AC-1-Ag NCs (a) and UV-Vis absorbance spectra (b) of AC-1 NCs and AC-1-Ag NCs.

Figure S4

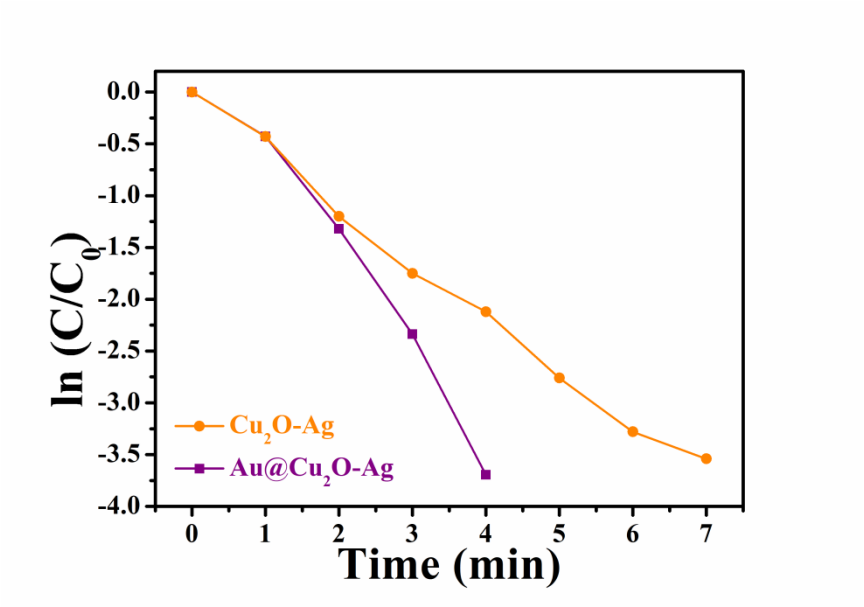

Figure S4. Time-dependent efficiency of degrading MO solution catalyzed by Au@Cu_2O-Ag NCs and Cu_2O-Ag NCs.