Supporting information

Ag shell Morphology on Au nanorod core: Role of Ag precursor complex

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Fig. S1. A representative Energy-Dispersive X-ray spectrum of Au-Ag core shell nanoparticles. The spectrum was taken from the particles shown in Fig. 4c. The atomic% ratio of Ag: Au is 96:4.
Fig. S2. UV-Vis spectra of 0.001M AgNO₃ and 0.001M CTAB aqueous solution.

Fig. S3. Energy-Dispersive X-ray spectra of Ag-Br nanoparticles taken from the solution mixture of CTAB and AgNO₃ at mixing ratio 10:1 after 3 min and 30 min of reaction. The
atomic% ratio of Ag: Br is 1:1 for the particles at 3 min and 1:2 for the particles at 30 min aging.

Fig.S4. The longitudinal surface plasmon peak of Au NR solution after adding AgNO₃ solution as a function of time.