Electronic Supplementary Material (ESI) for New Journal of Chemistry
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New Journal of Chemistry

ELECTRONIC SUPPORTING INFORMATION

Galvanic replacement of As(0) nanoparticles by Au(III) for nanogold fabrication and SERS application

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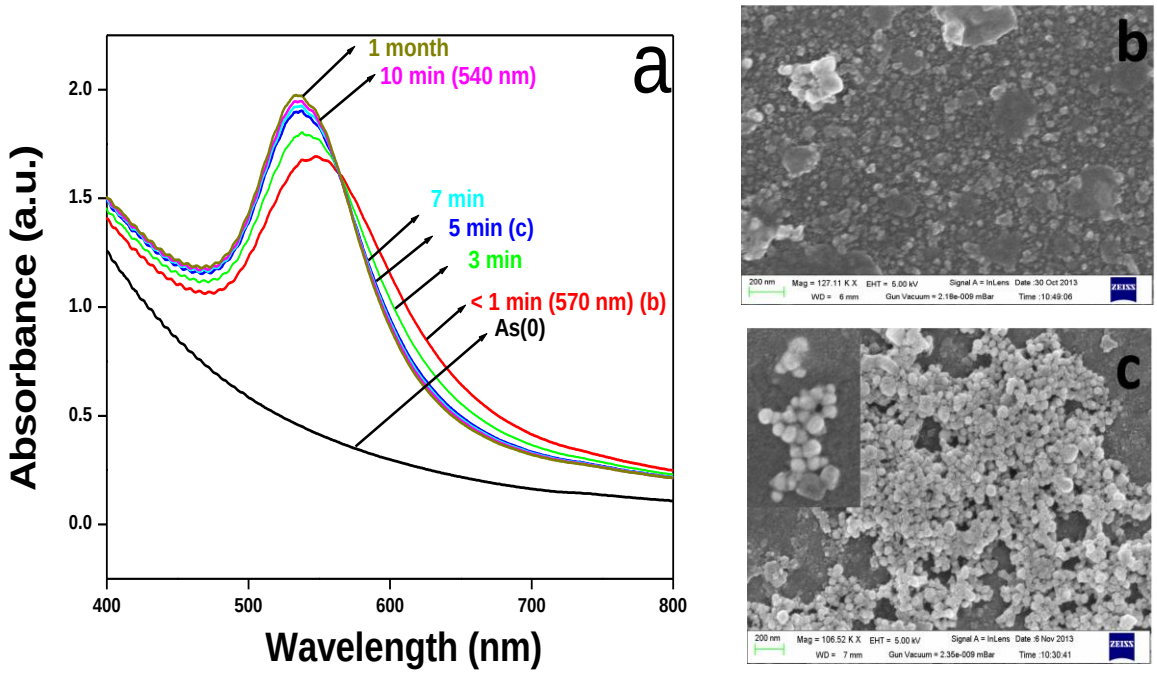

Figure S1: (a) Time dependent UV-visible spectra of AuNP formation using [As] : [Au] = 1 : 1.66 (M/M); (b) shows the FESEM image of the AuNP at < 1 min, and (c) at ~ 5 min of particle evolution. Inset in (c) shows the highly magnified SEM image of AuNP.

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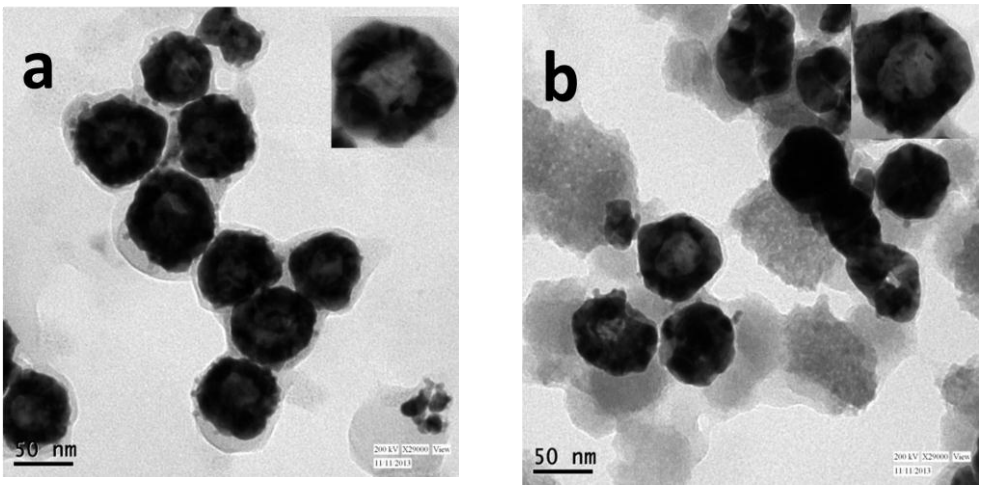

Figure S2: TEM images of AuNPs evolved with (a) [As] : [Au] = 1 : 2.26 (M/M), and (b) [As] : [Au] = 1 : 2.83 (M/M). Insets show the highly magnified TEM images of AuNP with hollow core.