

SUPPORTING INFORMATION

Phase Transfer of Triangular Silver Nanoprisms from Aqueous to Organic Solvent by an Amide Coupling Reaction

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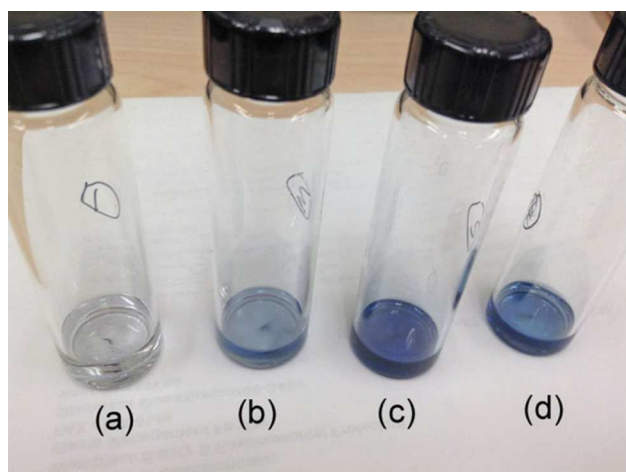


Figure S1. Photograph of AgNPrs functionalized using (a) butylamine, (b) hexadecylamine, (c) dioctylamine, and (d) bis(2-ethylhexyl)amine

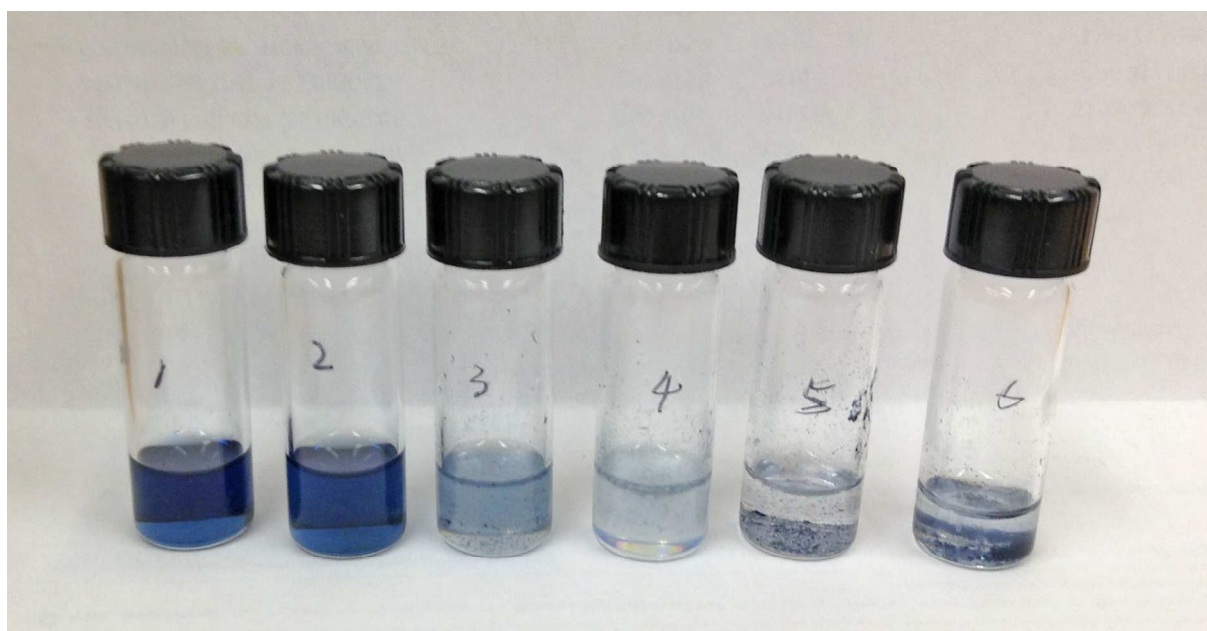


Figure S2. Photograph of dicyclohexylamine functionalized AgNPrs dispersed in various organic solvents: 1. chloroform, 2. dichloromethane, 3. chlorobenzene, 4. dichlorobenzene, 5. hexane, 6. toluene

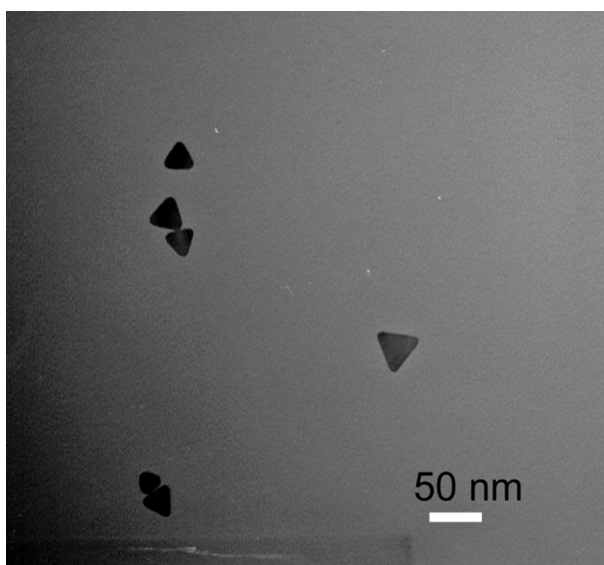


Figure S3. TEM image of the as-prepared AgNPrs.

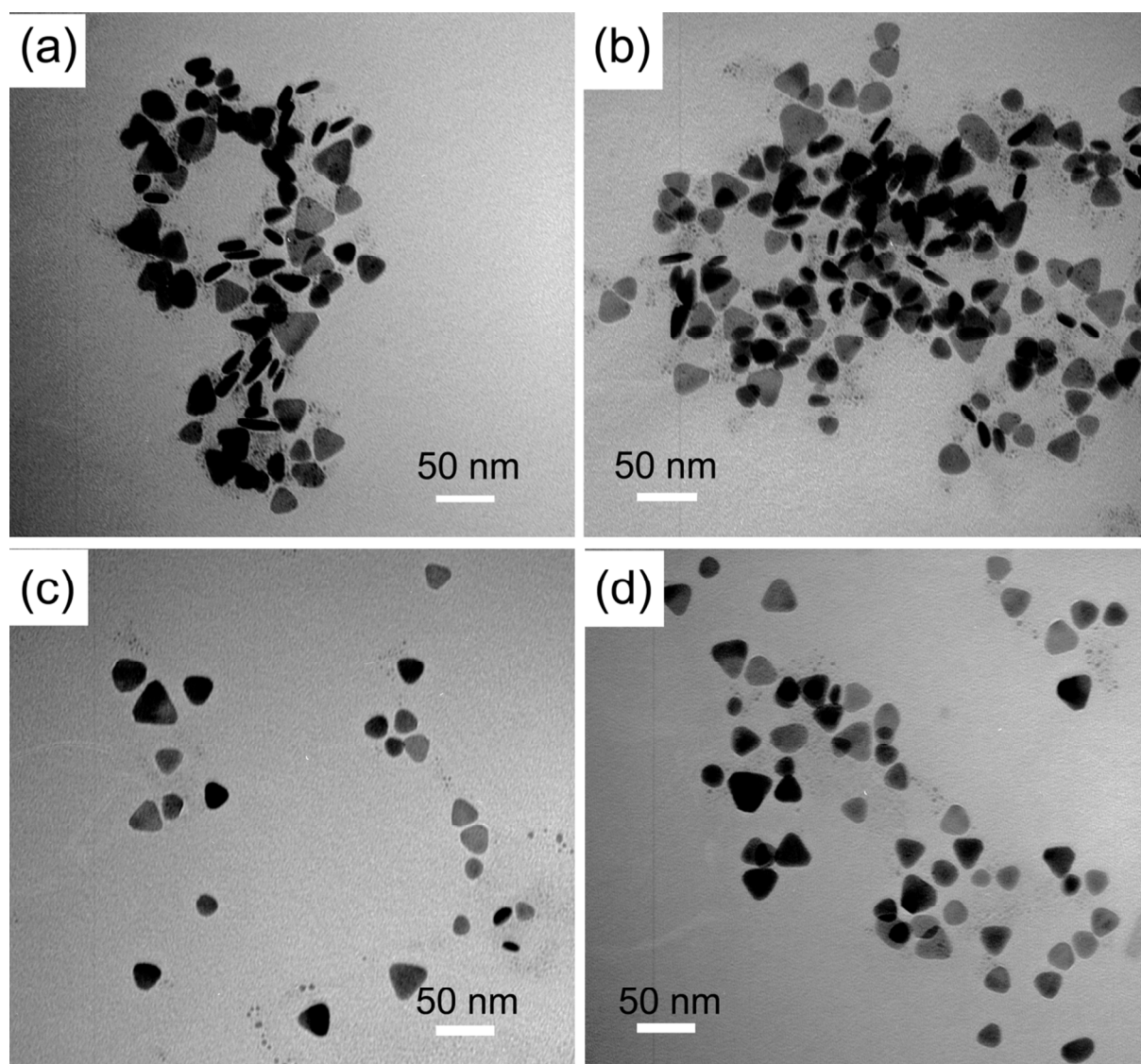


Figure S4. TEM images of dicyclohexylamine functionalized AgNPs stored at 4°C for (a) 4 days and (b) 7 days, and diphenylamine functionalized AgNPs stored at 4°C for (c) 4 days and (d) 7 days.

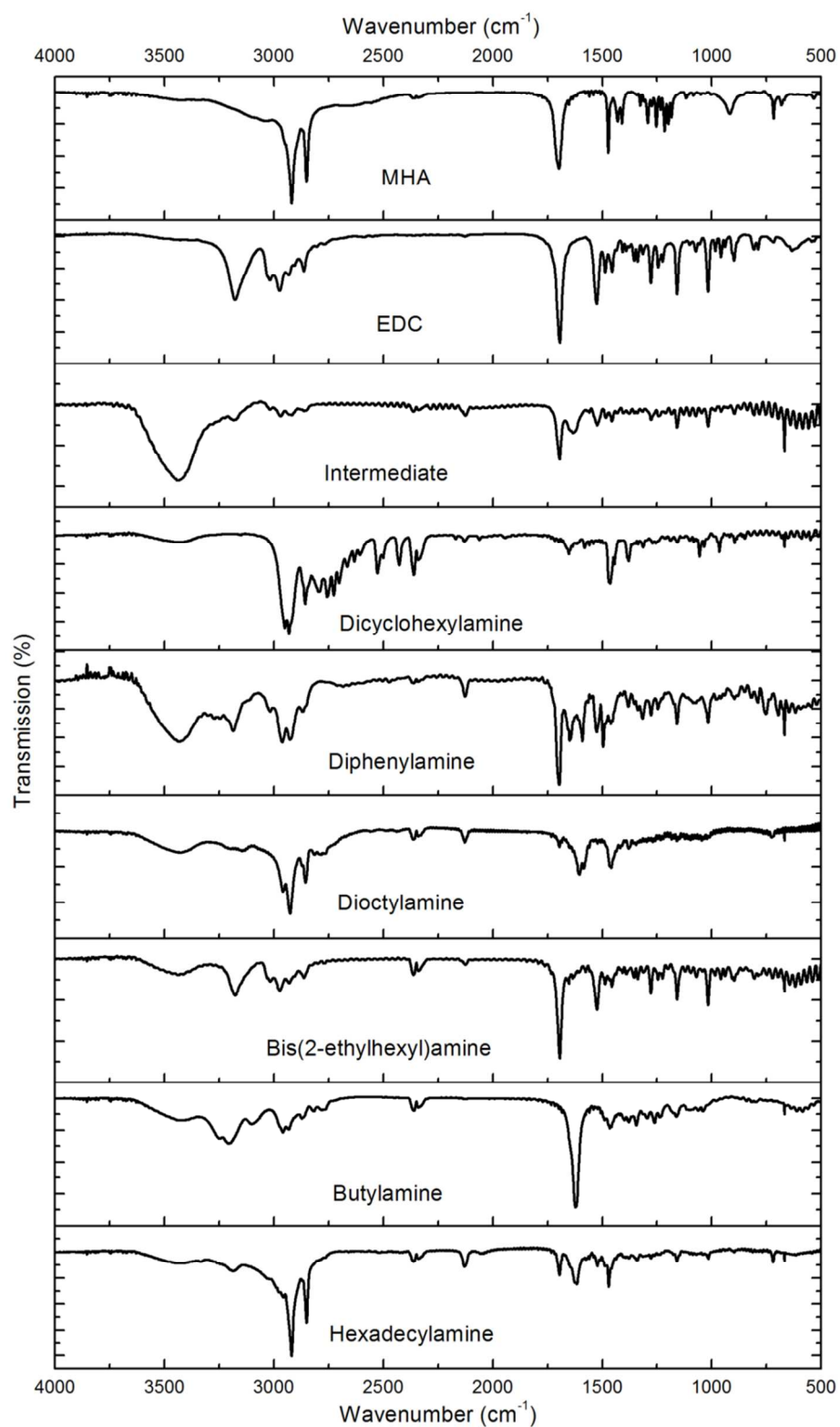


Figure S5. FT-IR spectra of MHA, EDC, and AgNPs after functionalization with various amines.



Figure S6. Photograph of silver nanospheres before and after phase transfer. Top layer: water, bottom layer, chloroform. Note that the sample on the right is 5 times more concentrated than the one on the left.

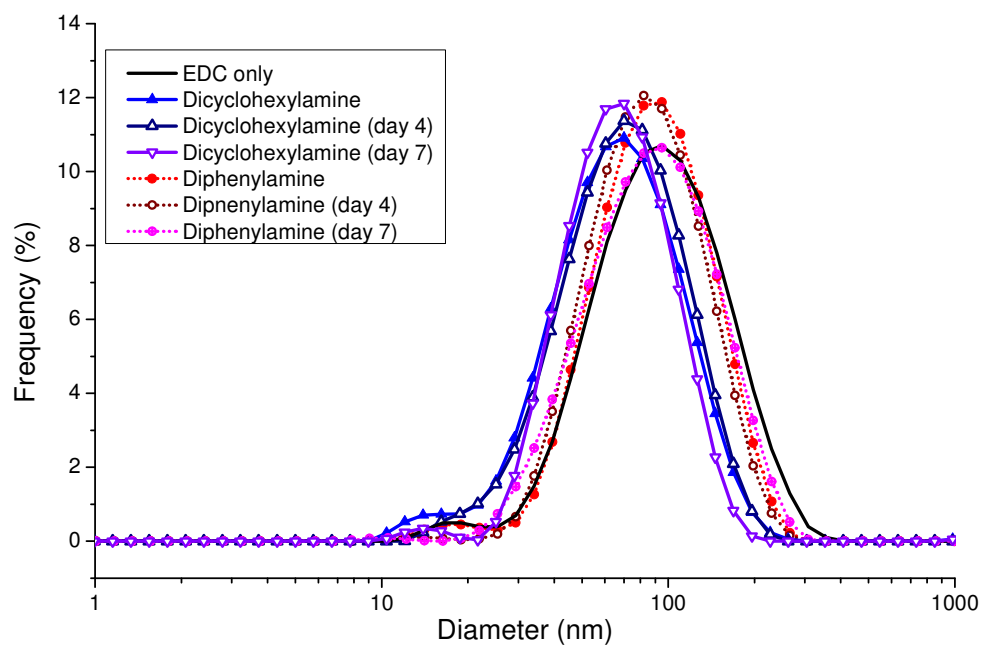


Figure S7. Particle size distributions measured by dynamic light scattering as a function of storage time.