Electronic Supplementary Material (ESI) for CrystEngComm.

Supplementary Information

Controlling Alloy Formation and Optical Properties by Galvanic Replacement of Sub 20 nm Silver Nanoparticles in Organic Media

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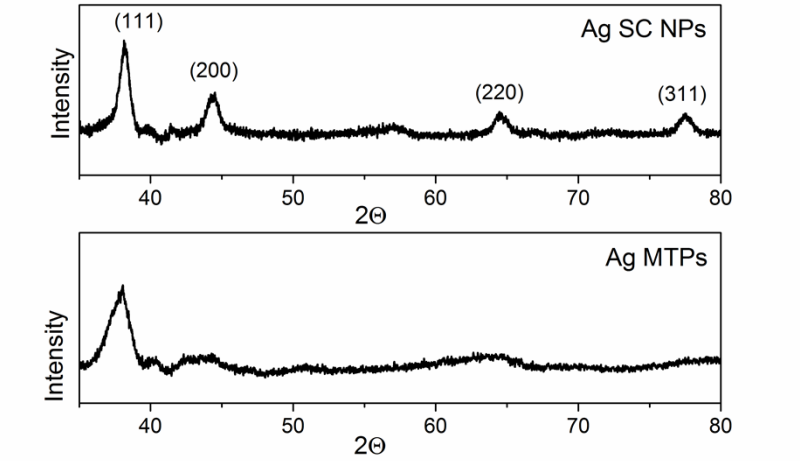

Fig. S1. XPD pattern of Ag single crystal (SC) and Ag multiply twinned particles (MTPs).

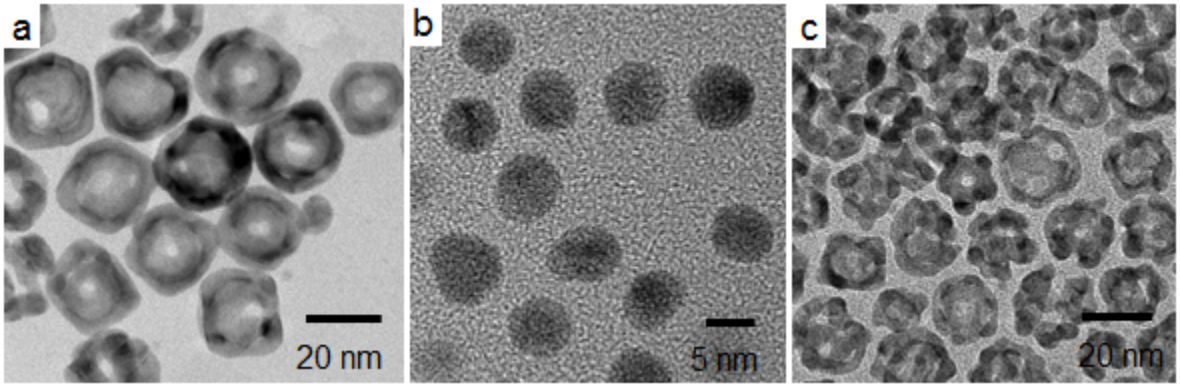

Fig. S2. Galvanic replacement of 16 nm single crystal NPs by (a-b) rapid precursor addition at 60 °C and (c) at room temperature.

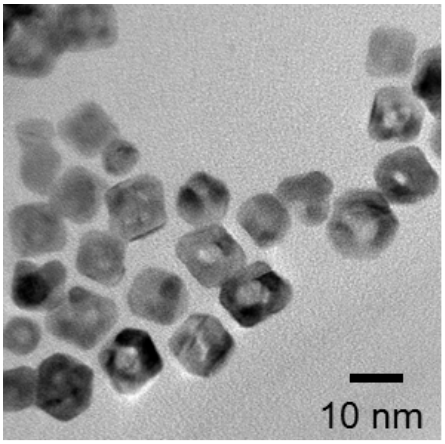

Fig. S3. Galvanic replacement of 9 nm single crystal NPs after ligand exchange with oleylamine.

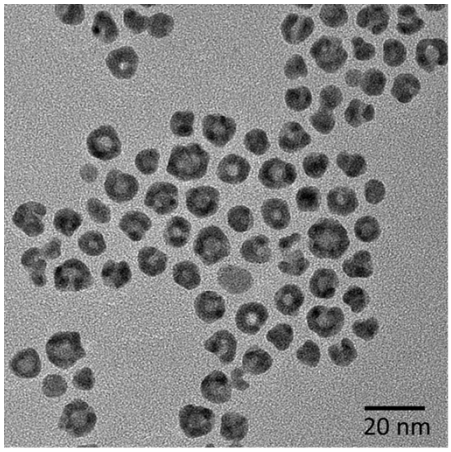

Fig. S4. Galvanic replacement of 15 nm MT Ag NPs at 100 °C.

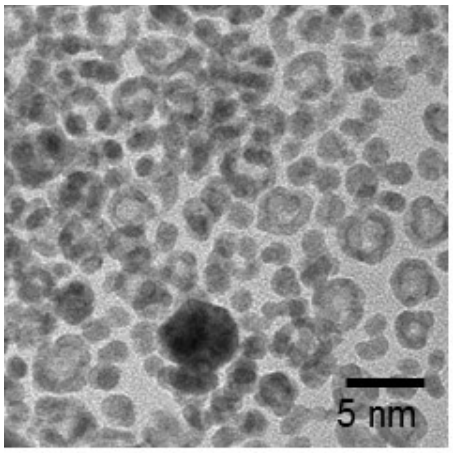

Fig. S5. Galvanic replacement of 15 nm MT Ag NPs at room temperature.