Electronic Supplementary Material (ESI) for CrystEngComm.

Controllable synthesis of Au nanocrystals with Systematic Shape Evolution from Octahedron to Truncated Ditetragonal Prism and Rhombic Dodecahedron

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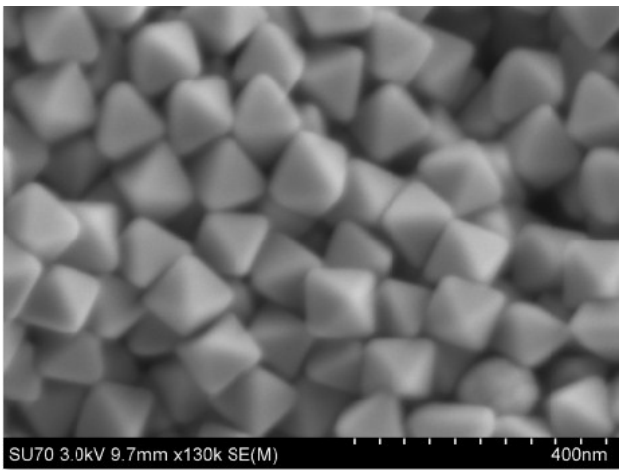

Fig. S1 Gold NCs synthesized without Ag^+.

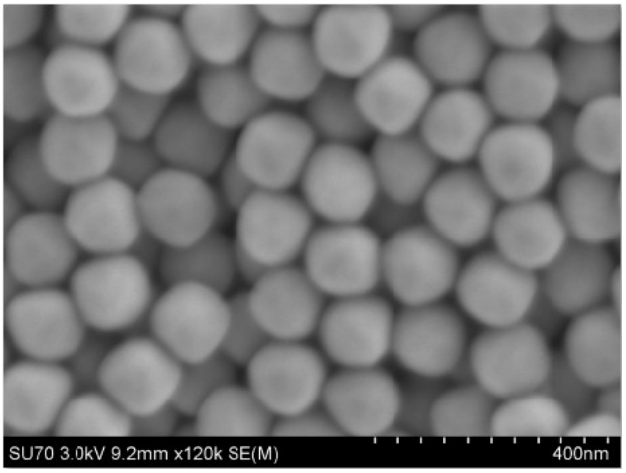

Fig. S2 Gold NCs synthesized under the action of 20 μL 25 mM $AgOCOCH_3$.

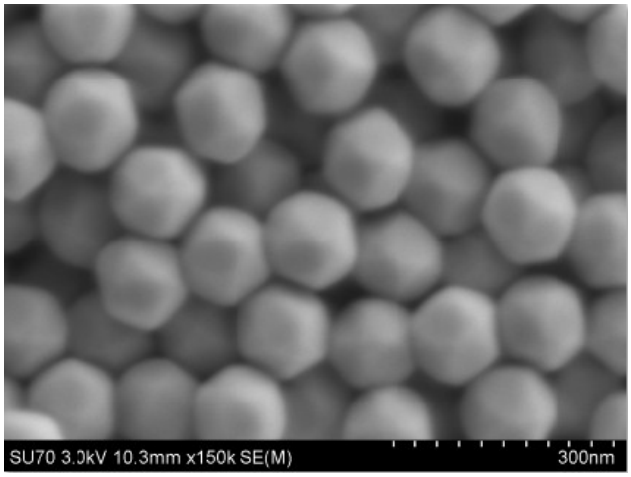

Fig. S3 Gold NCs synthesized under the action of 40 µL 25 mM $AgOCOCH_3$.

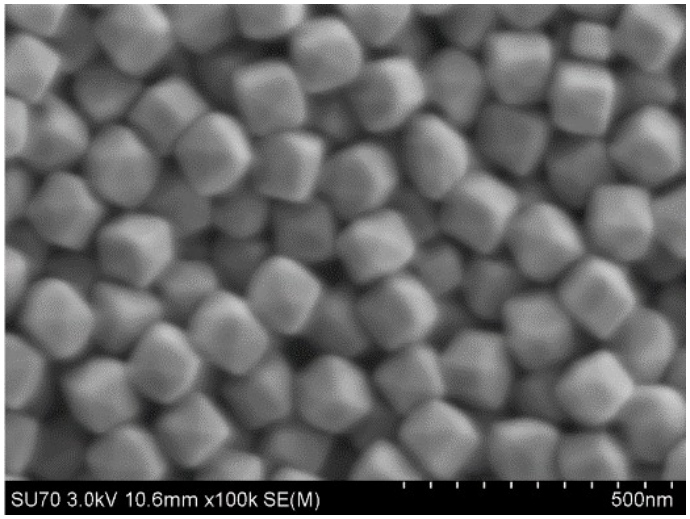

Fig. S4 Gold NCs synthesized under the action of 60 µL 25 mM $AgOCOCH_3$.

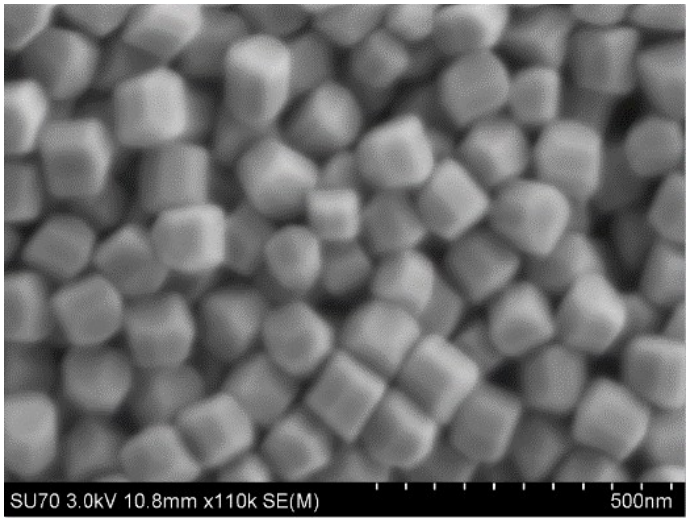

Fig. S5 Gold NCs synthesized under the action of 80 μL 25 mM $AgOCOCH_3$.

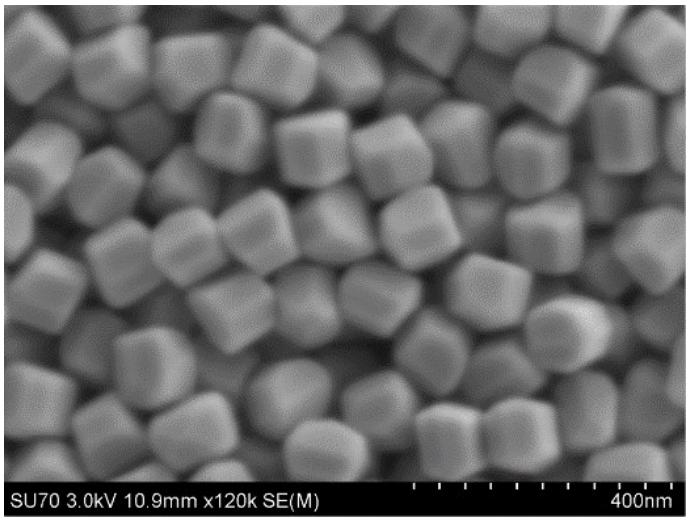

Fig. S6 Gold NCs synthesized under the action of 100 μL 25 mM $AgOCOCH_3$.

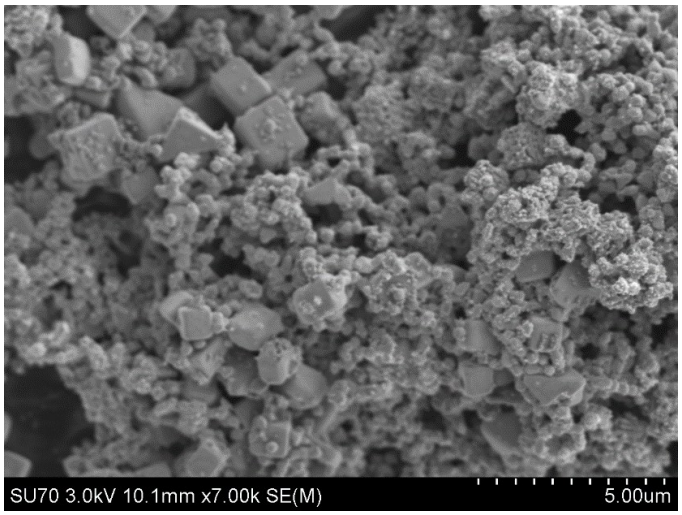

Fig. S7 gold NCs synthesis in the absence of PDDA.

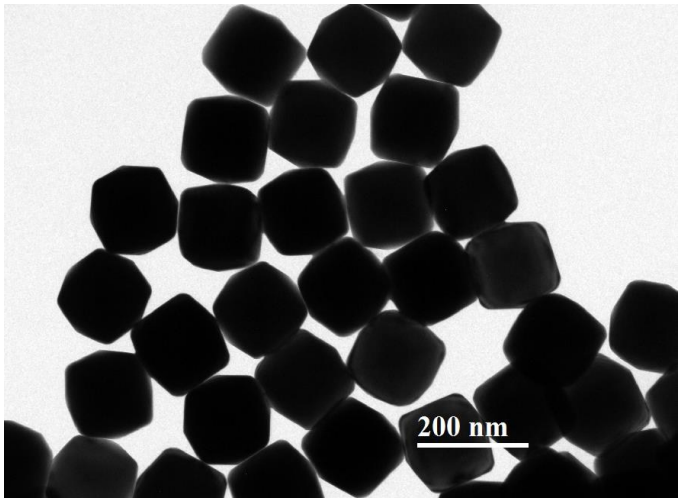

Fig. S8 Gold NCs synthesis in 200 µL PDDA.

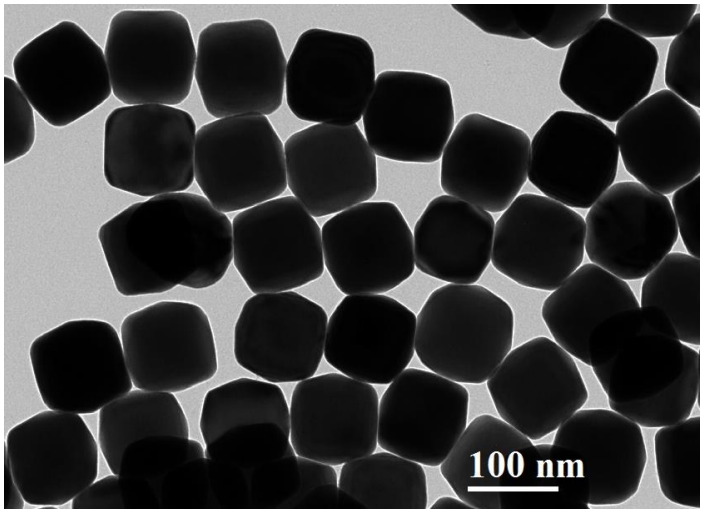

Fig. S9 Gold NCs synthesis in 400 µL PDDA.

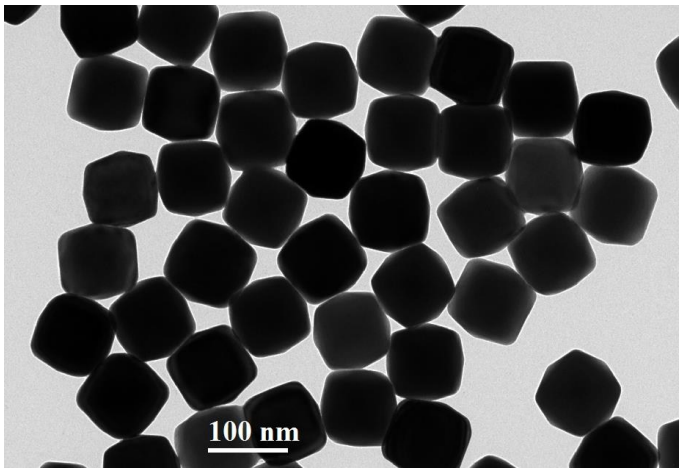

Fig. S10 Gold NCs synthesis in 440 µL PDDA.

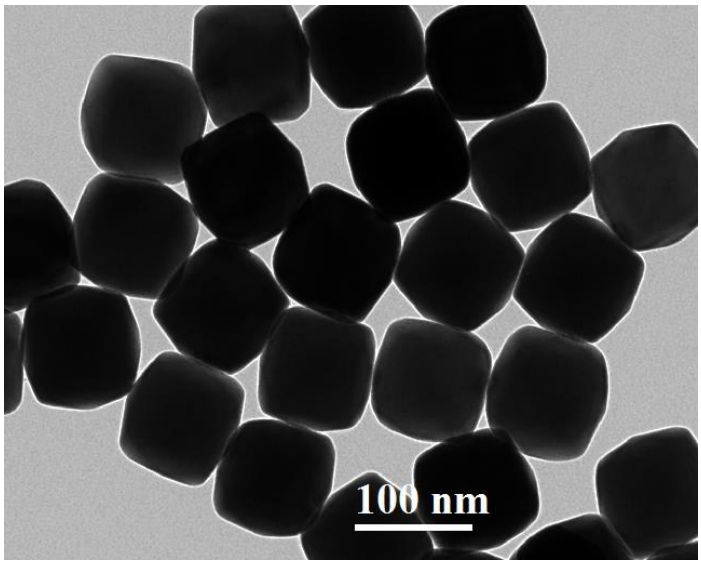

Fig. S11 Gold NCs synthesis in 480 µL PDDA.

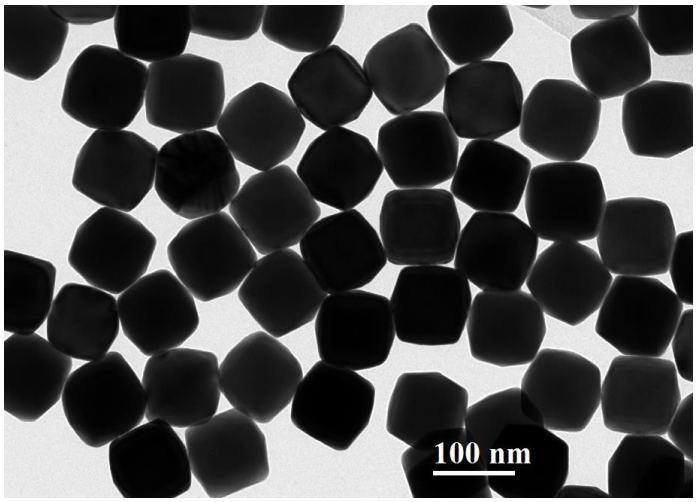

Fig. S12 Gold NCs synthesis in 520 µL PDDA.

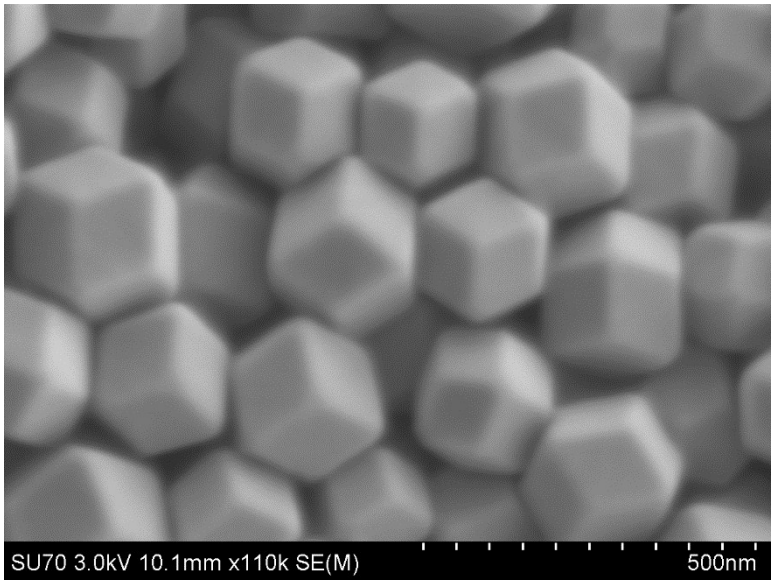

Fig. S13 Gold NCs synthesized under the action of 60 µL 25 mM $AgNO_3$.