

Supplementary Information

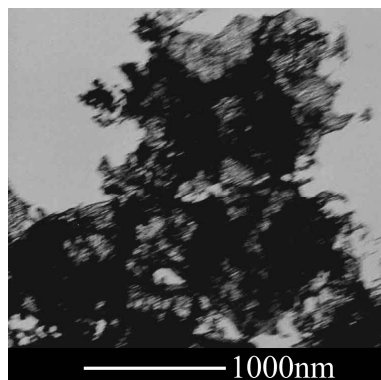


Fig. S1. TEM image of the product obtained by using AgCl hollow boxes as precursors with other reaction conditions unchanged.

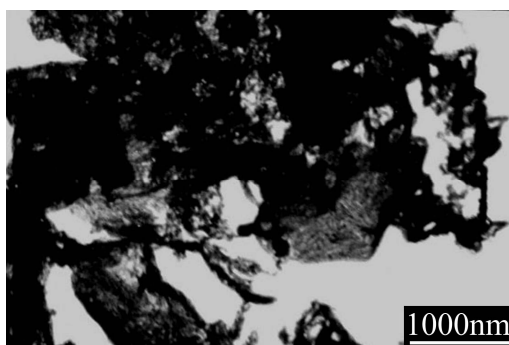


Fig. S2. TEM image of the product obtained under acute stirring with other reaction conditions unchanged.

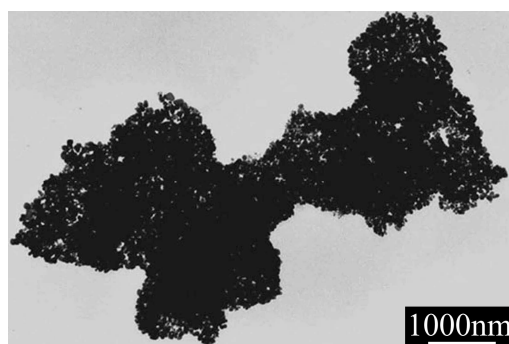


Fig. S3. TEM image of the product obtained by using NaBH_4 as reductant with other reaction conditions unchanged.

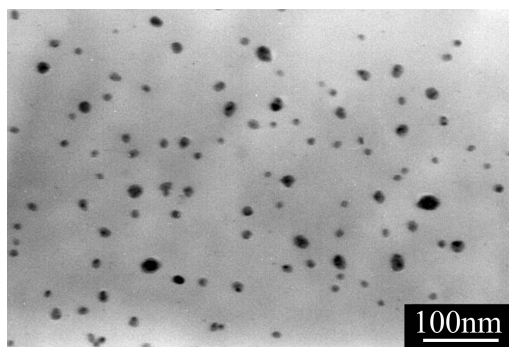


Fig. S4. TEM image of dispersive AgCl nanoparticles. They were prepared as follow: 0.3 g PVP was dissolved into 20.0 mL anhydrous ethanol under magnetic stirring in a 50 mL beaker, then 5 mL AgNO₃ (0.05 M ethanolic solution) was added, followed by adding 200 μ L NaCl solution (5 M) under vigorous stirring, and then keeping on stirring for 15 min in dark to form a AgCl colloid solution. When comparative test was conducted to prepare the netlike Ag nanofibers, the freshly prepared AgCl colloid solution acted as a precursor for the next process, followed by adding ascorbic acid and NaOH solution, and with other process being similar to the procedure of fabricating the hollow cubic Ag boxes.

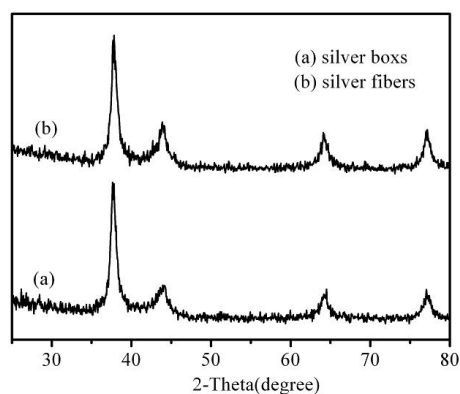


Fig. S5. XRD patterns of the Ag boxes and Ag fibers.

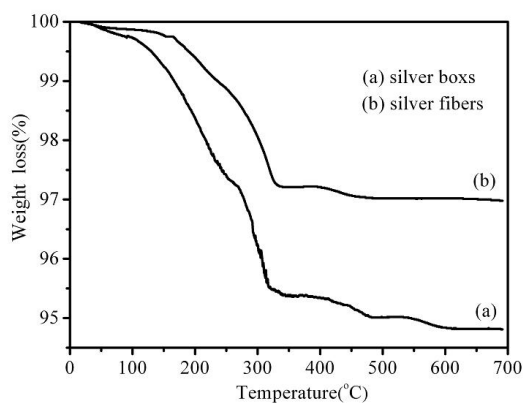


Fig. S6. TG curves of the Ag boxes and fibers.

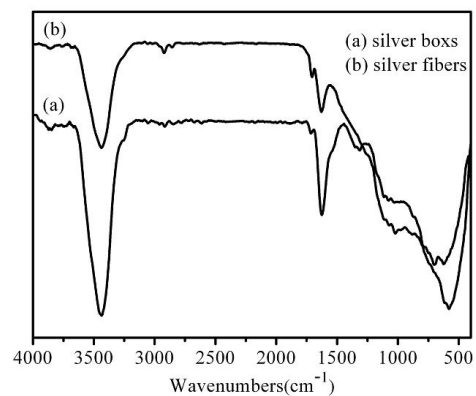


Fig. S7. IR curves of the Ag boxes and fibers.

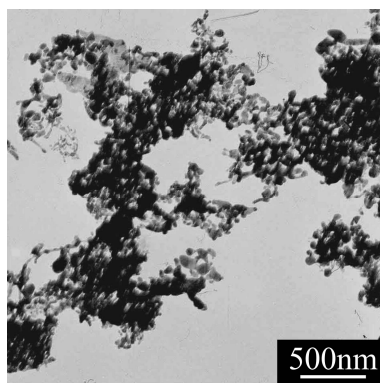


Fig. S8. TEM image of the product obtained by using dispersive AgCl nanoparticles as precursors under stirring.