Supporting Information

Seed-Mediated Synthesis of Ag Nanocubes with Controllable Edge Lengths in the Range of 30-200 nm and Comparison of Their Optical Properties

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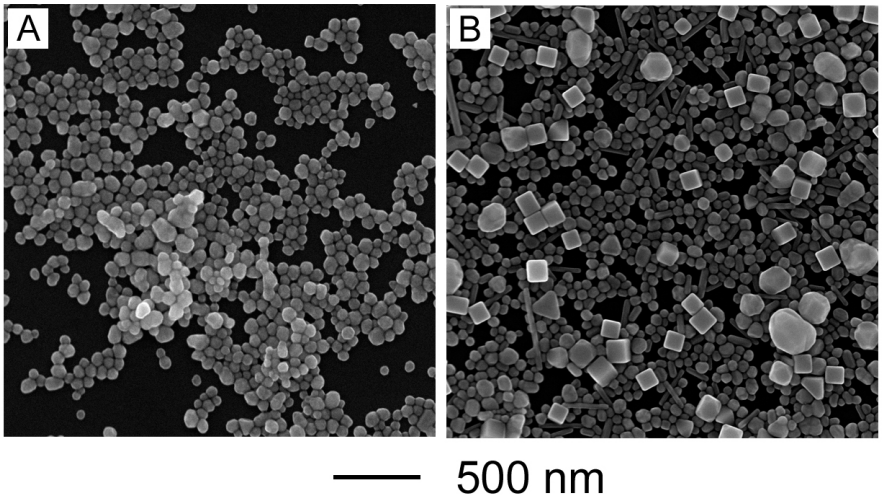

Figure S1. SEM images of Ag nanoparticles obtained when (A) CF_3COOAg instead of $AgNO_3$ was used for the seed-mediated growth and (B) a trace amount (0.125 mL, 3 mM) of HCl was introduced into the synthesis shown in (A).

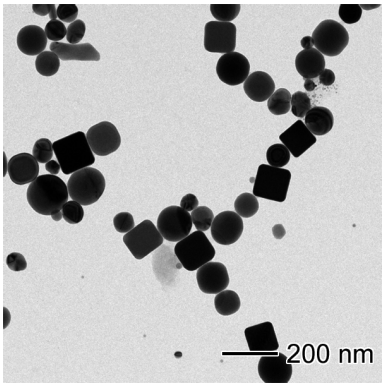

Figure S2. TEM image of Ag nanoparticles obtained by adding 0.93 mM HNO_3 after $AgNO_3$ had been added for 20 min in a standard synthesis.

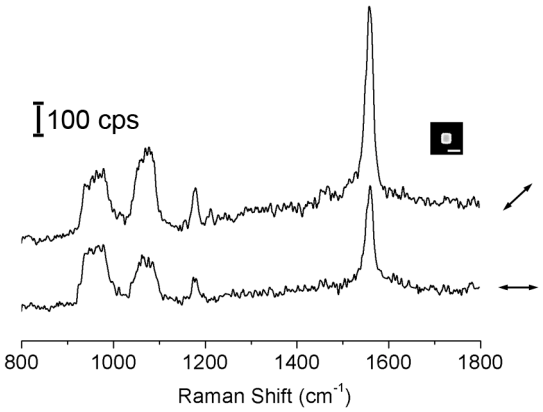

Figure S3. SERS spectra recorded from 82-nm Ag cubes under two laser polarization directions: along an edge (bottom trace) and along a face diagonal (top trace). The scale bars in the insets correspond to 100 nm. cps=counts per second.