

Supporting Information

Acid-directed synthesis of SERS-active hierarchical assemblies of silver nanostructures

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Additional Figures:

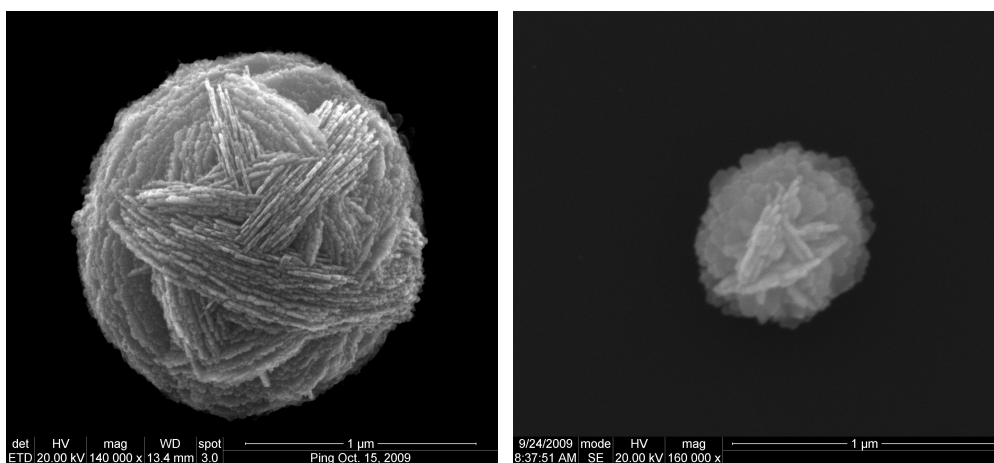


Figure S1. SEM images of the Ag structures prepared thorough a chemical reduction of Ag^+ ions (AgNO_3) by ascorbic acid as the reducing agent, with the direction of citric acid. Left: 0.1 M AgNO_3 ; Right: 0.05 M AgNO_3 .

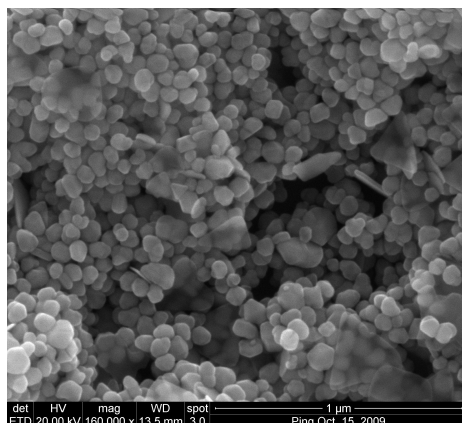


Figure S2. SEM images of the Ag structures prepared thorough a chemical reduction of Ag^+ ions (0.01 M AgNO_3) by ascorbic acid as the reducing agent, with the direction of citric acid.

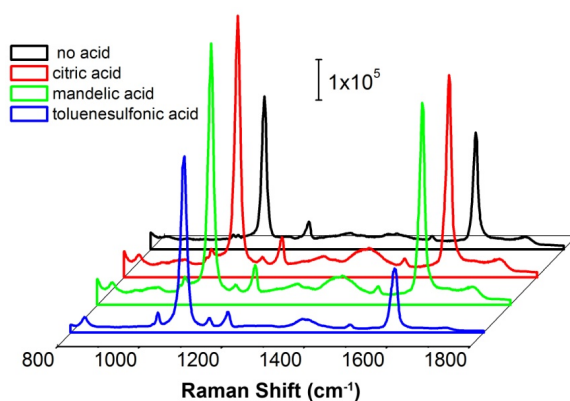


Figure S3. SERS spectra of mercaptobenzoic acid attached to the Ag structures prepared thorough a chemical reduction of Ag^+ ions (AgNO_3) by ascorbic acid as the reducing agent, with the direction of no acid, citric acid, mandelic acid, and toluenesulfonic acid.

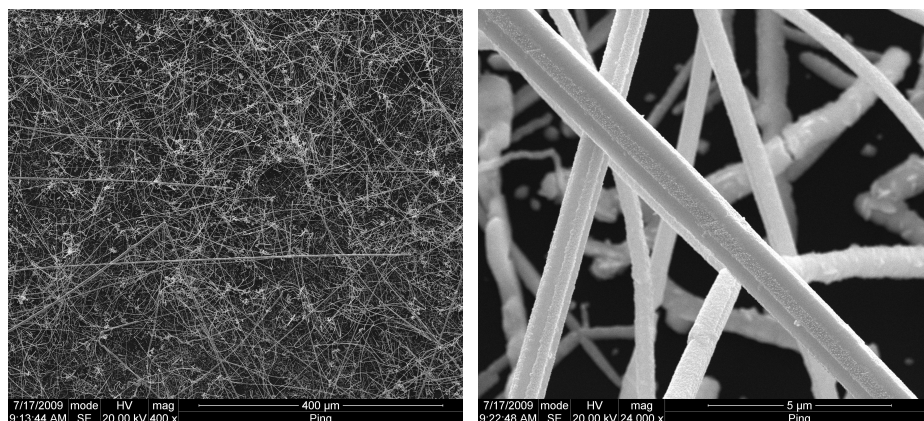


Figure S4. SEM images of Ag wires prepared by immersing the citric acid doped polyaniline (PANI) films in 0.1 M AgNO_3 for 1 h.

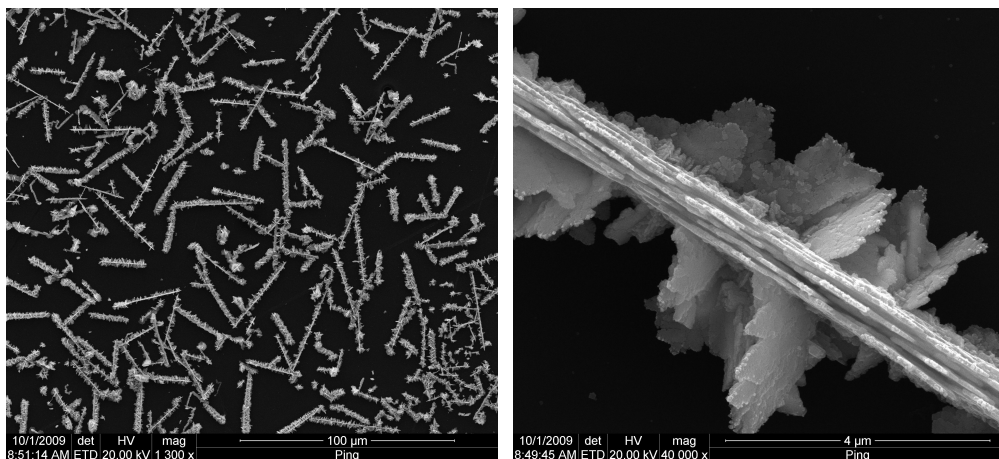


Figure S5. SEM images of Ag wires prepared on citric acid doped polyaniline (PANI) films, with the direction of mandelic acid.

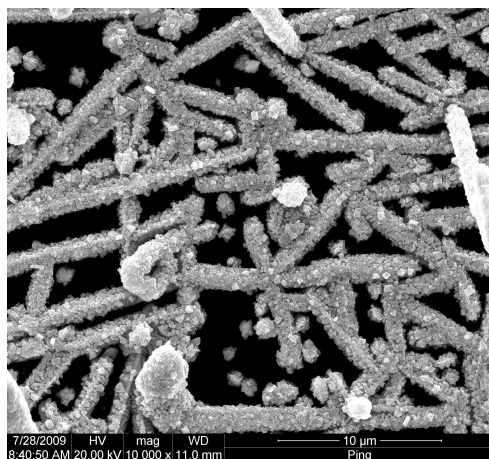


Figure S6. SEM image of core-shell Ag wires after immersing in melamine (100 ppm) solution for 30 min and then repeatedly rinsed with water.