

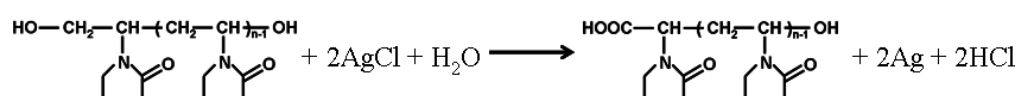
Electronic supplementary information

Facile Cl⁻-mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol

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Characterization:

Powder X-ray diffraction (XRD) measurement of the samples was performed with a Philips PW3040/60 X-ray diffractometer using Cu K α radiation at a scanning rate of 0.06 deg s⁻¹. Scanning electron microscope (SEM) was performed with a Hitachi S-4800 scanning electron micro-analyzer with an accelerating voltage of 15 kV. Transmission electron microscope (TEM) and high-resolution transmission electron microscope (HRTEM) were conducted at 200 kV with a JEM-2100F field-emission TEM. The absorption spectra were measured using a PerkinElmer Lambda 900 UV-vis spectrophotometer at room temperature.



Scheme S1. Formulas of PVP structural changes involved in the oxidation by AgCl hydrosol.

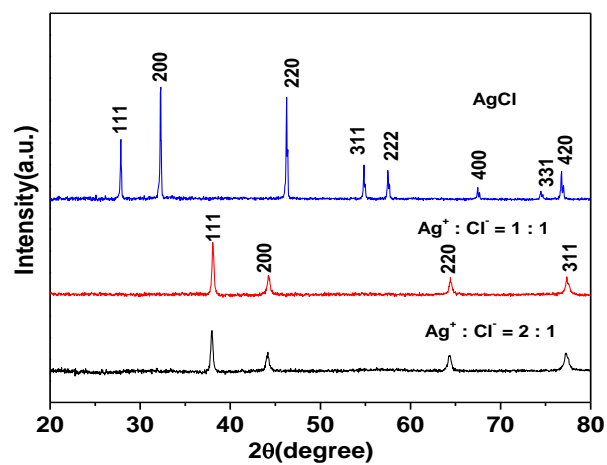


Fig. S1 XRD patterns of (a) AgCl particles obtained in the absence of PVP, (b) and (c) Ag nanostructures obtained with the different concentrations of NaCl.