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**Supplementary Information**

# Generation of $Ag/Ag_2O$ complex nanostructures by excimer laser ablation of Ag in water

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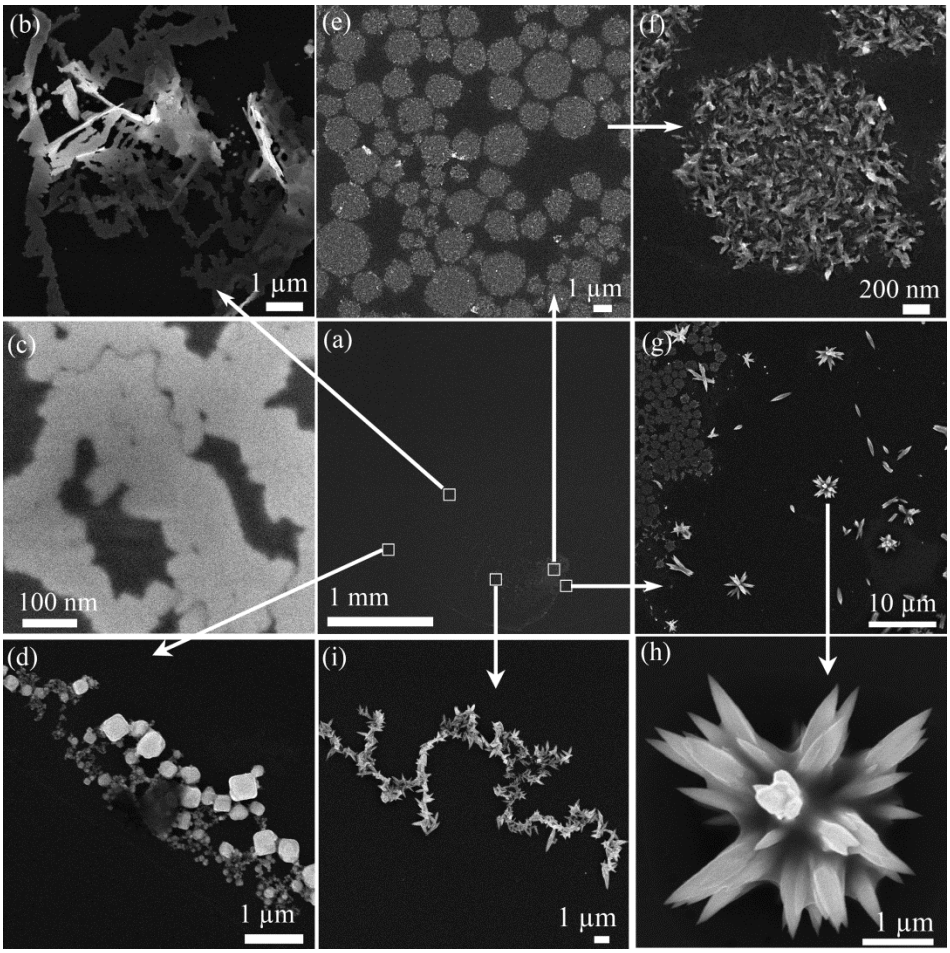


**Figure S1.** SEM images of deposits formed by drop evaporation of Ag colloids on p-type Si substrate: (a) a general view of the deposits, (b) and (c) nanosheets, (d) cubes and irregular

particles in the outmost evaporation ring of the deposits, (e) and (f) disk-like structures in the central area, (g) and (h) flower-like structures, and (i) a chain of flower-like structures.

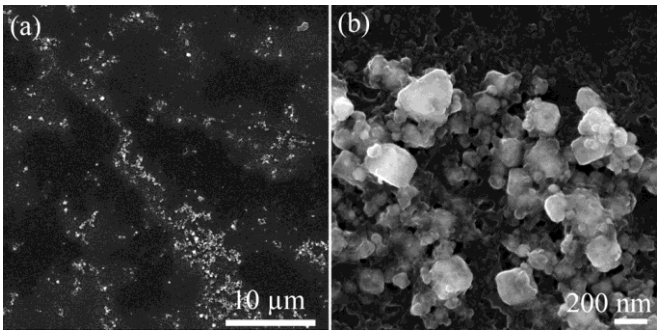


**Figure S2.** SEM images of (a) deposits formed by drop evaporation of Ag colloids on a glass coverslip, and (b) irregular particles with higher magnification.

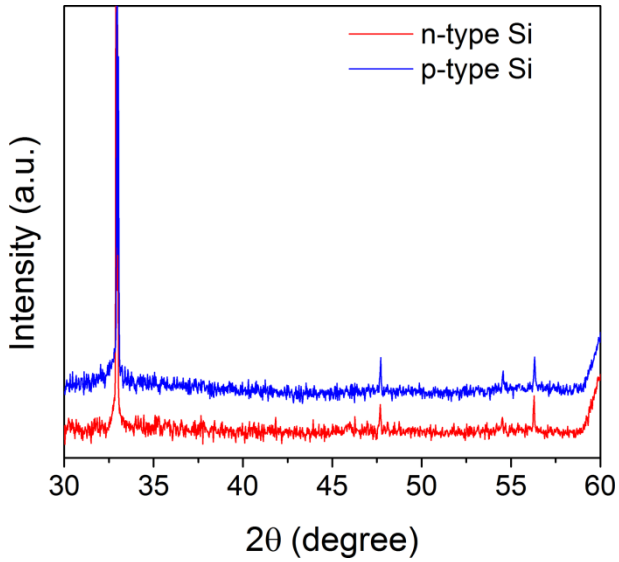


**Figure S3.** XRD patterns of the bare Si substrates.