

## Electronic Supplementary Information

to

# Synthesis of size-controlled silver nanodecahedrons and their application for core-shell surface enhanced Raman scattering (SERS) tags

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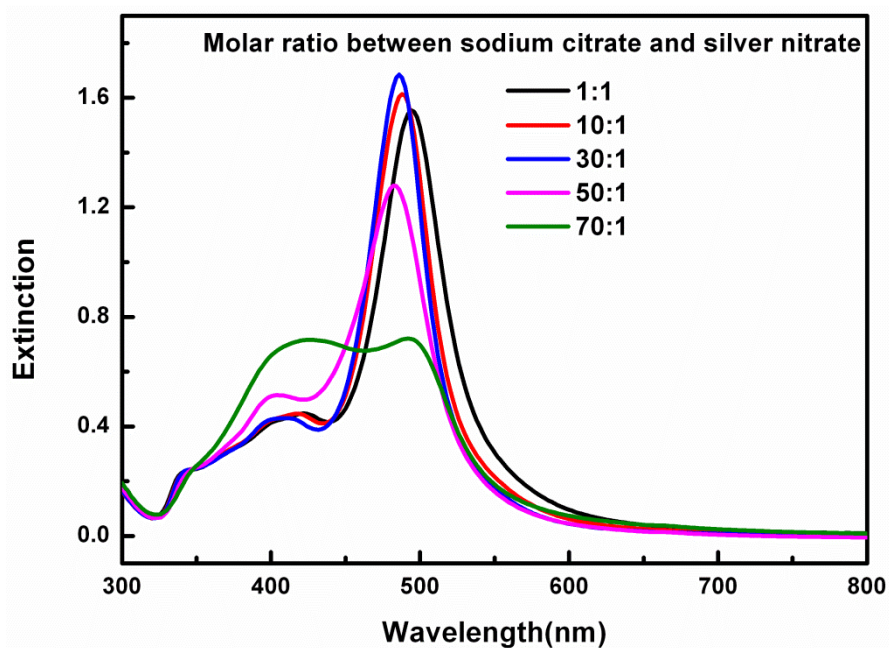
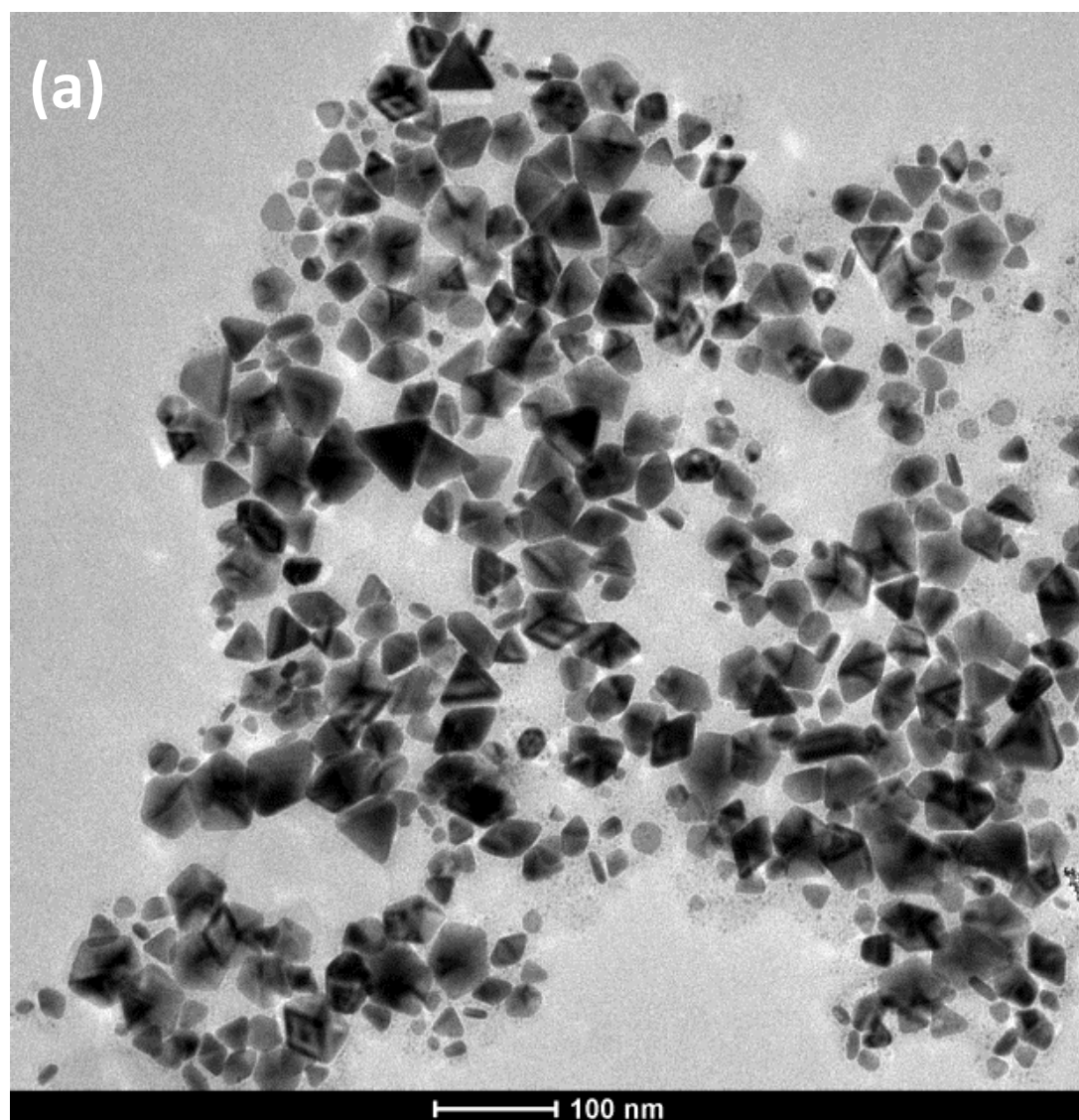
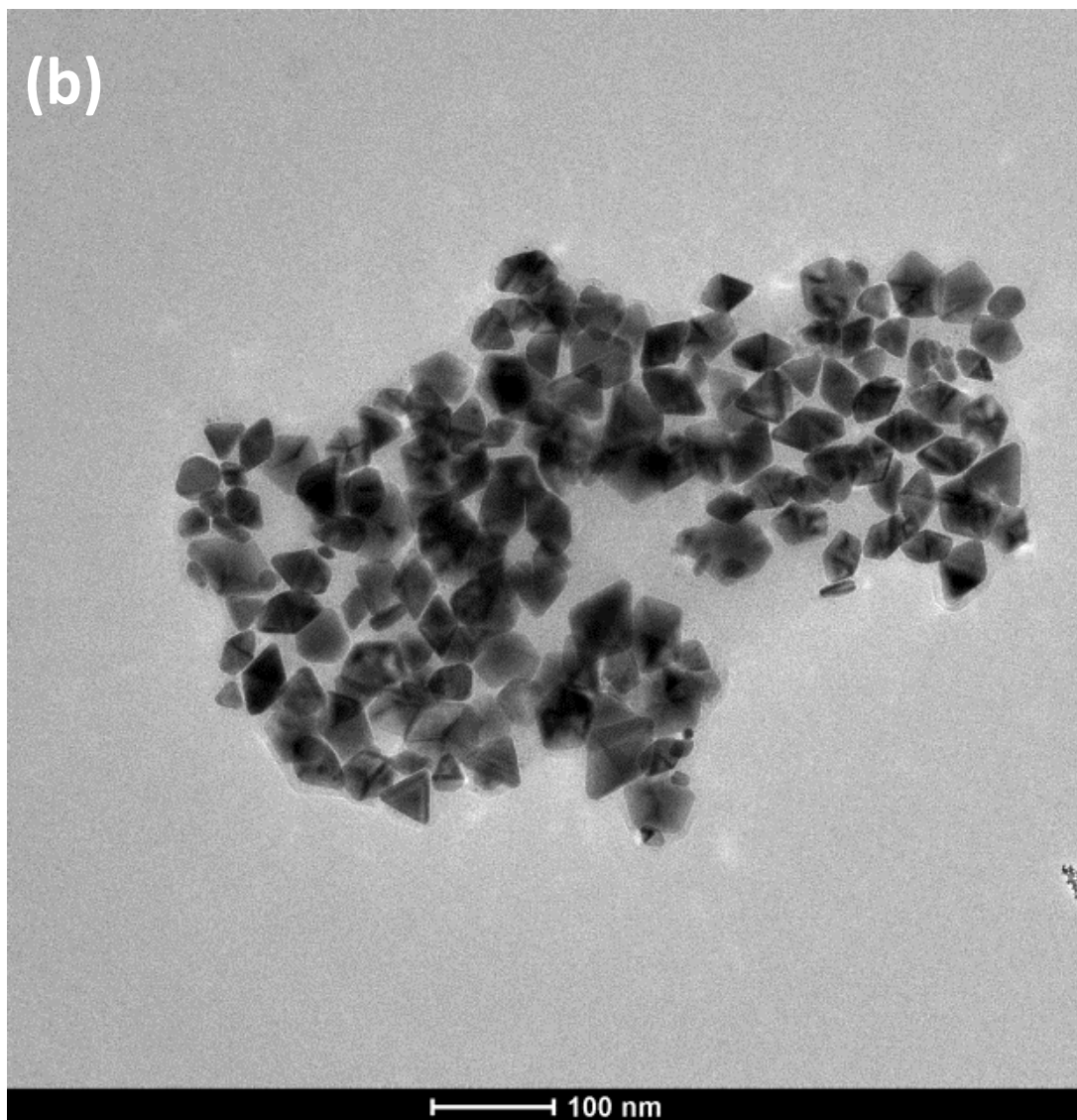
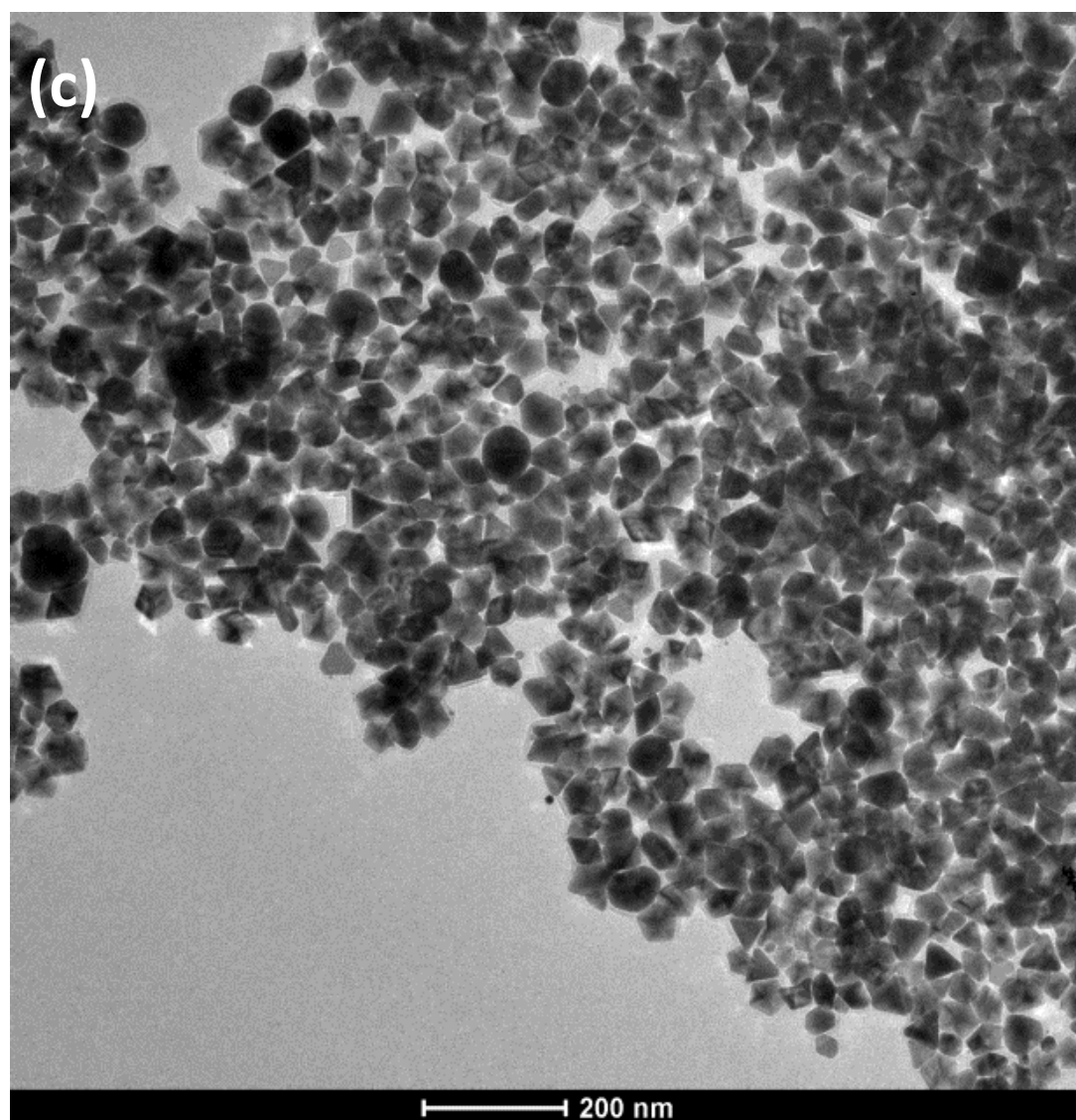


Figure S1. UV-vis spectra of silver colloids after 465 nm light irradiation on solutions prepared from different sodium citrate/silver nitrate ratios.









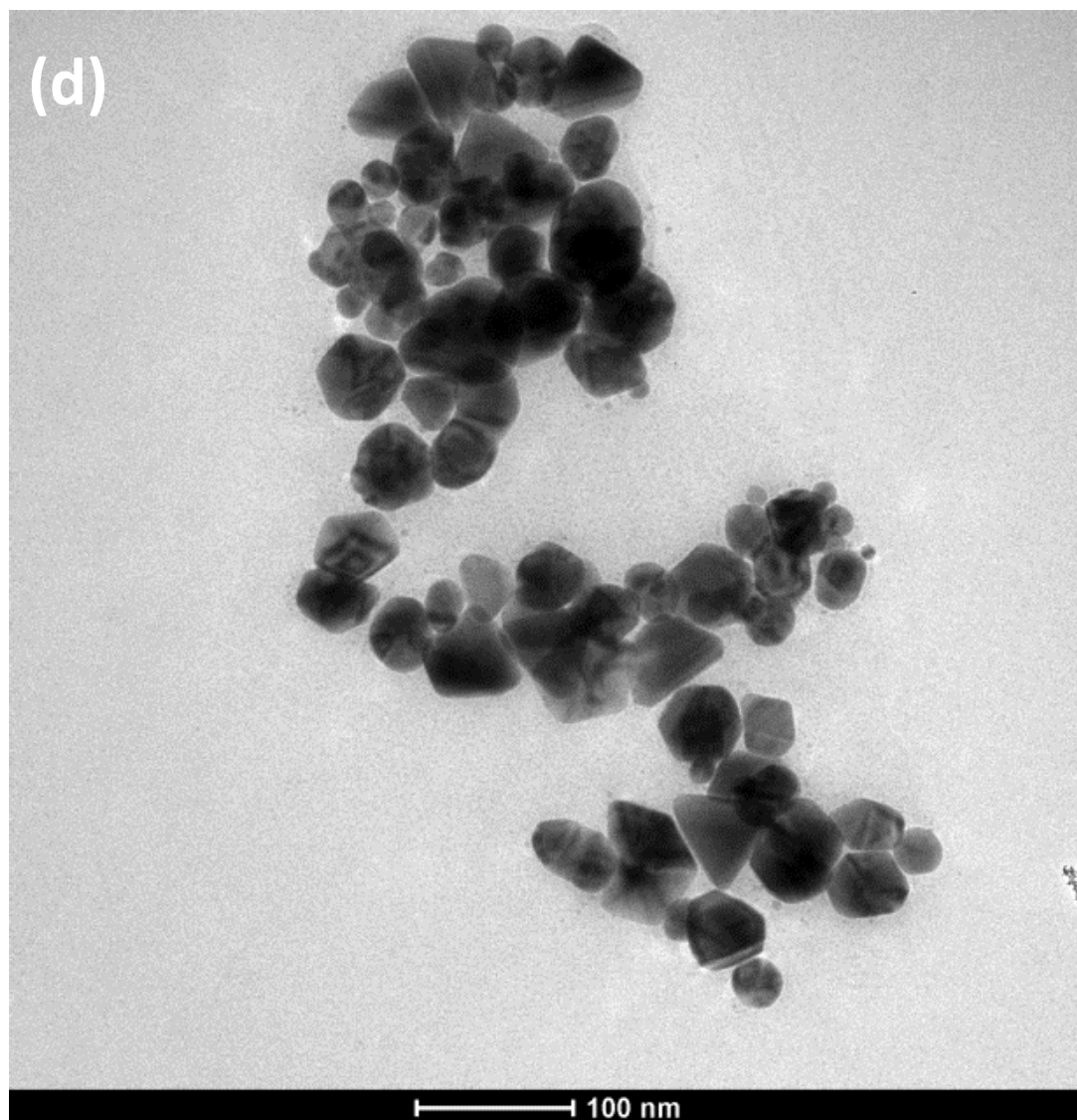


Figure S2. TEM images of silver nanoparticles prepared from sodium citrate/silver nitrate ratio at (a) 10:1, (b) 30:1, (c) 50:1 and (d) 70:1 after 465 nm light irradiation.

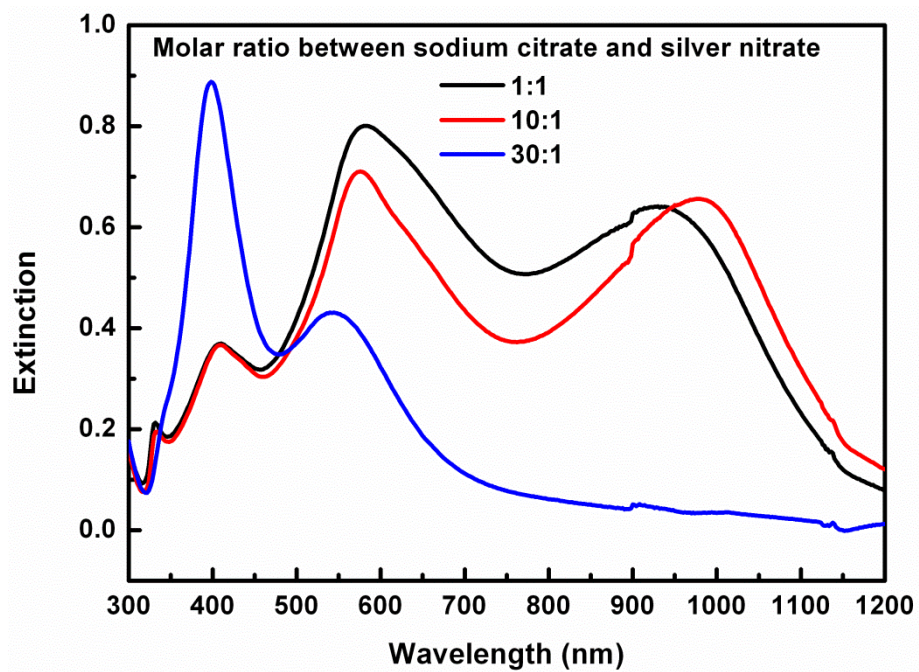
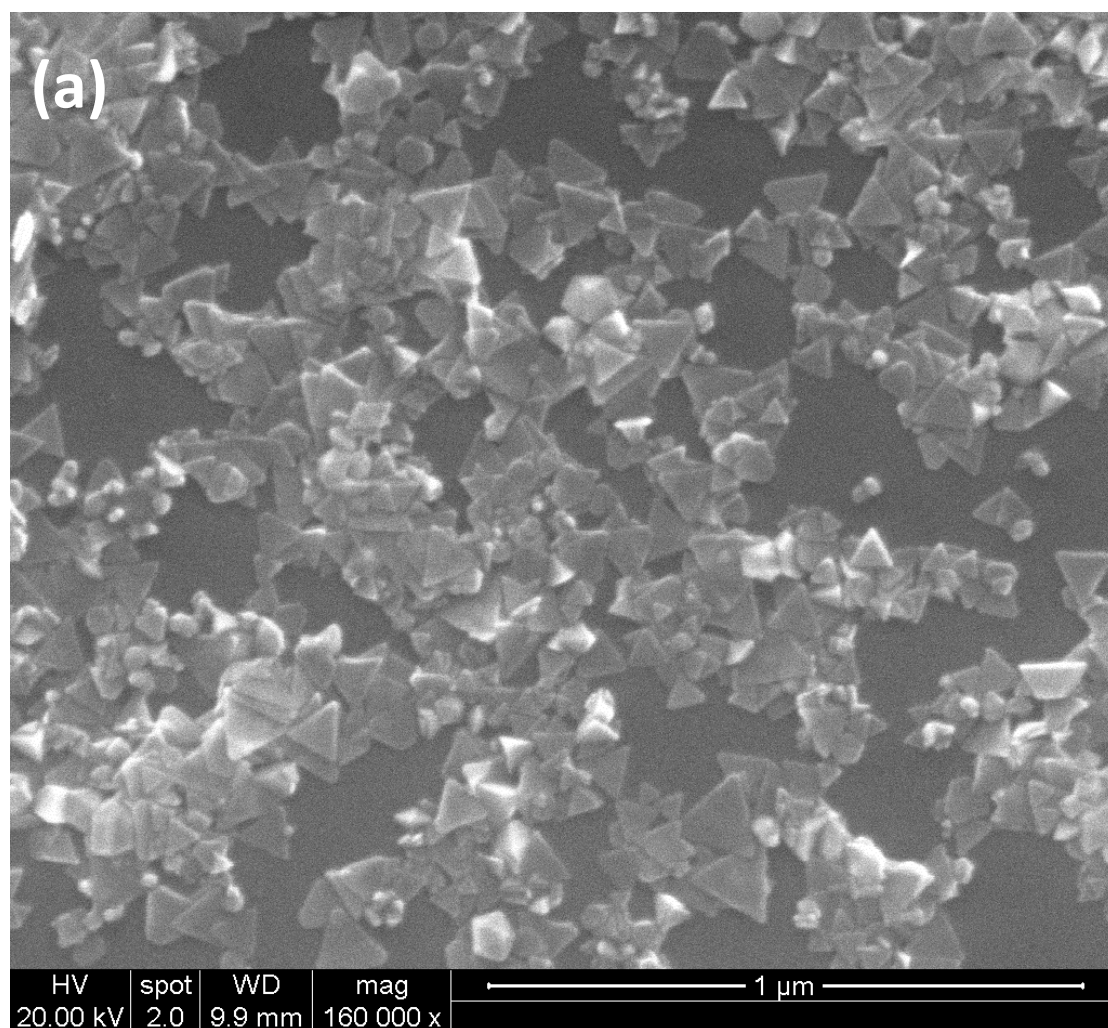


Figure S3. UV-vis spectra of silver colloids after 520 nm light irradiation on solutions prepared from different sodium citrate/silver nitrate ratios.





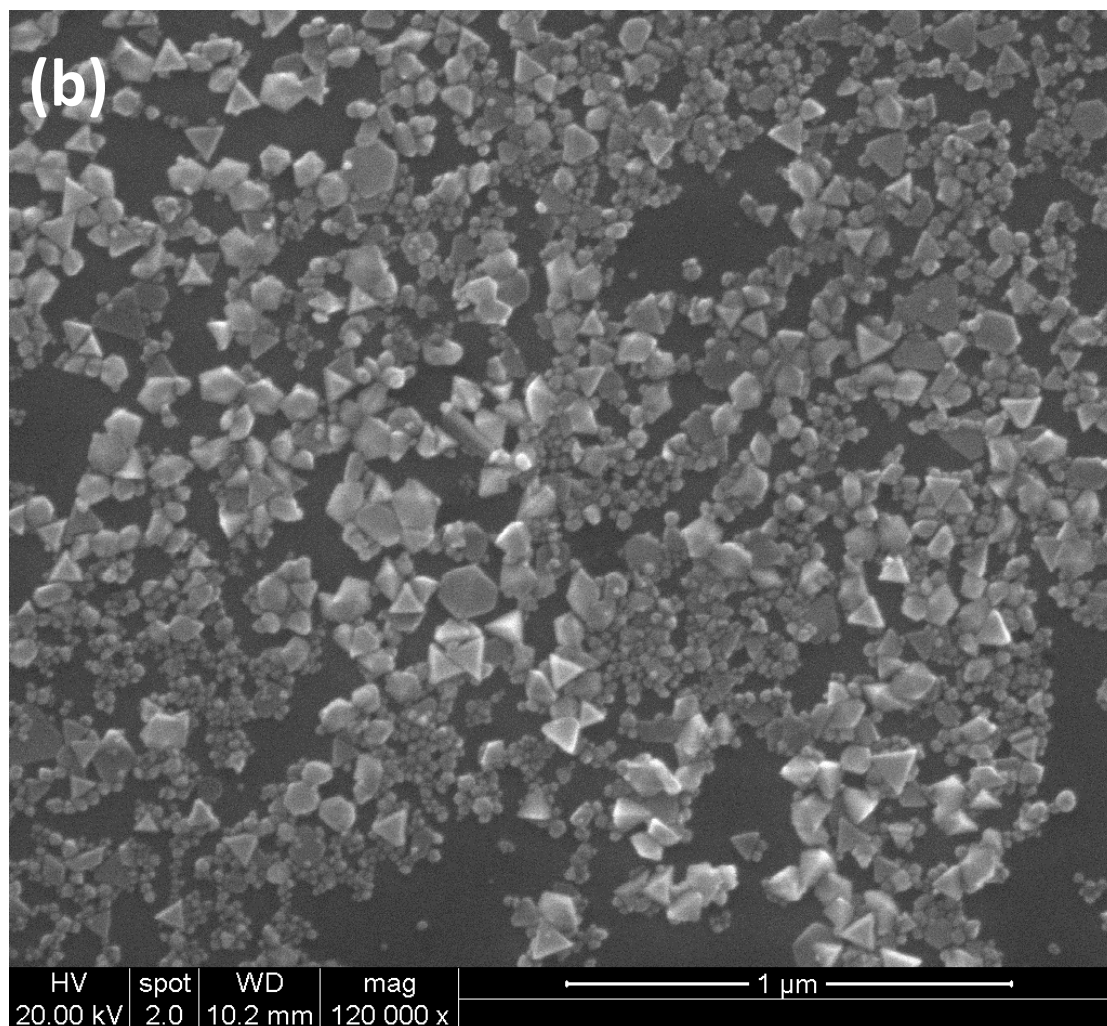


Figure S4. SEM images of silver nanoparticles prepared from sodium citrate/silver nitrate ratio at (a) 10:1 and (b) 30:1 after 520 nm light irradiation.