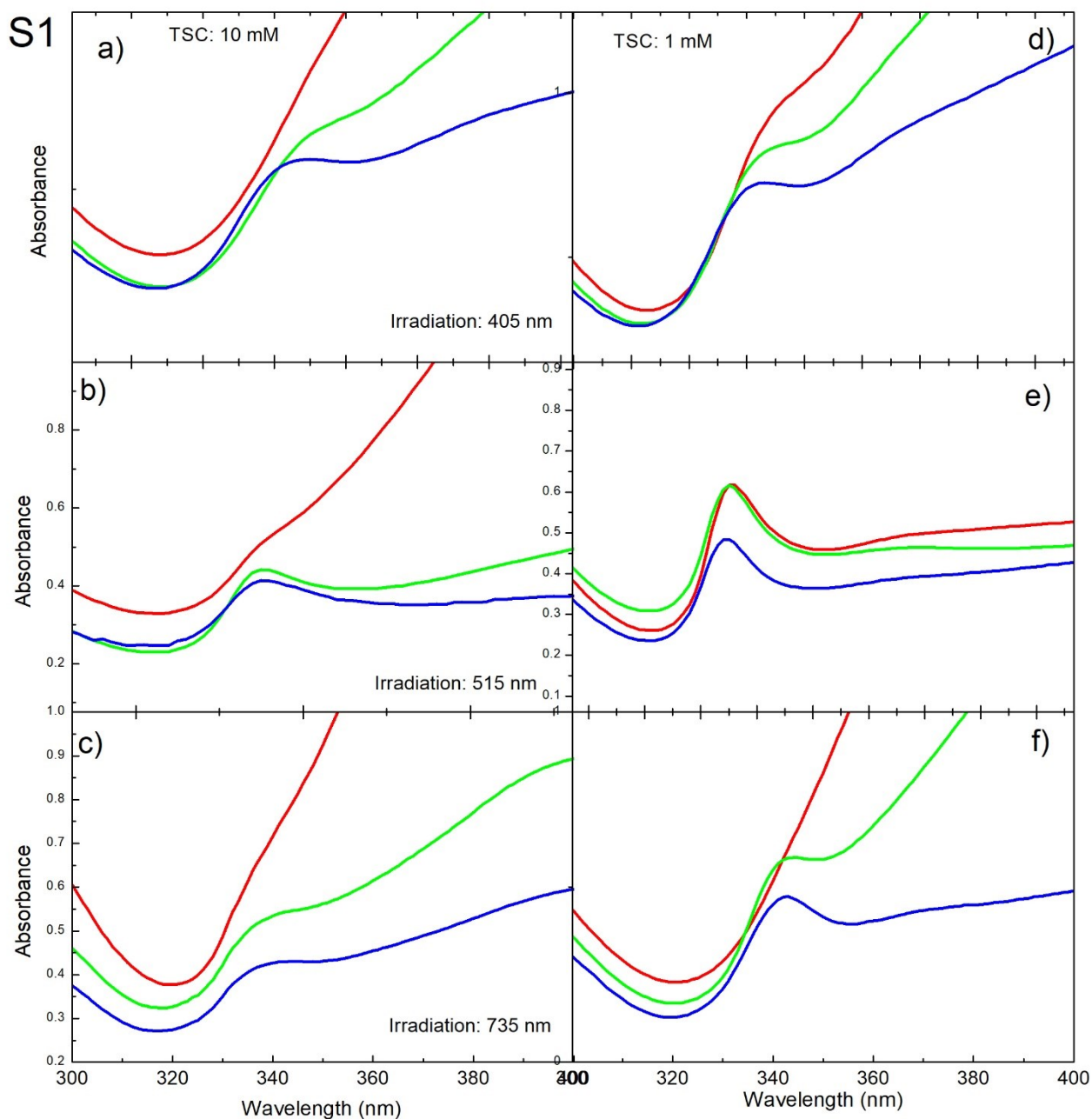


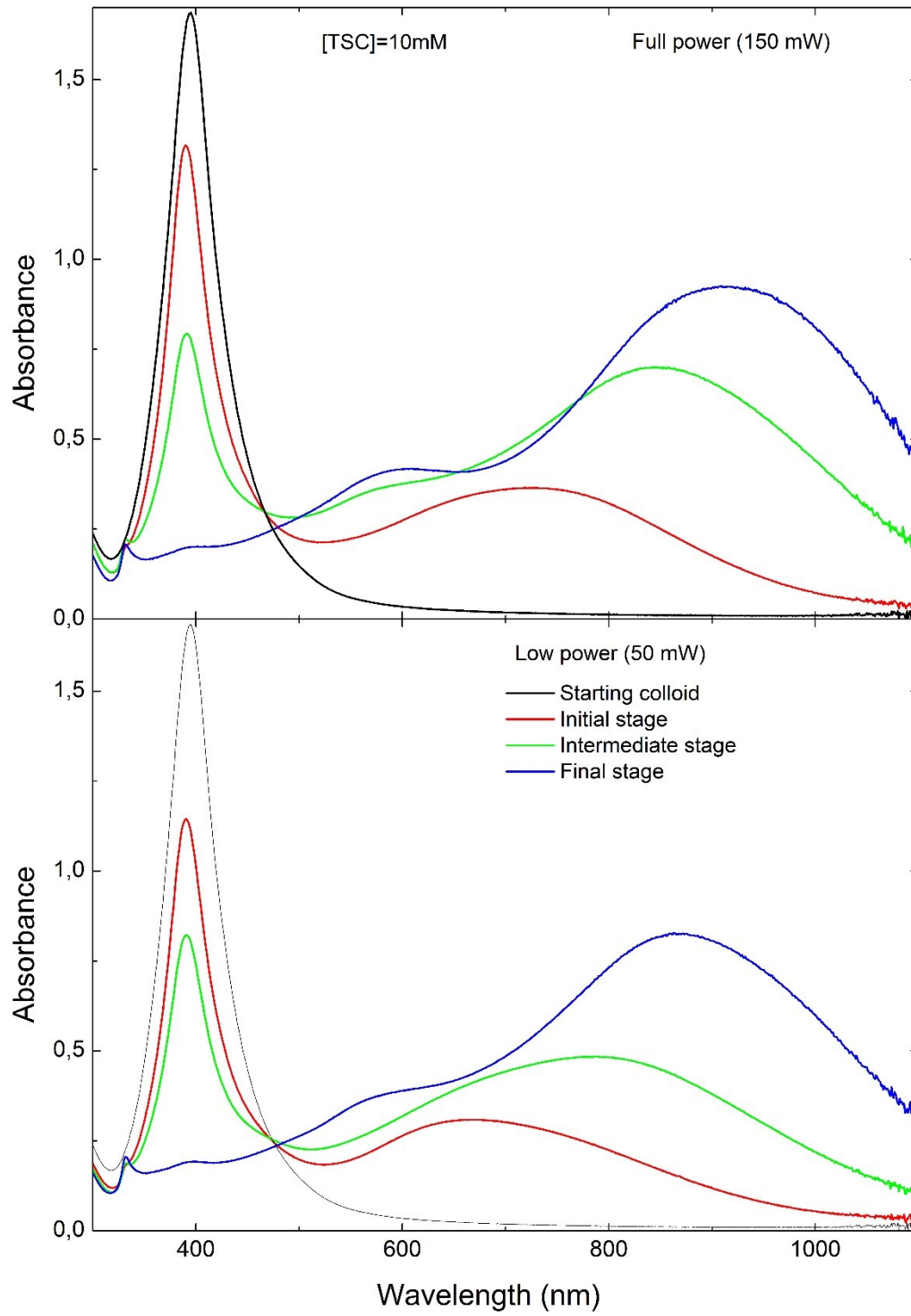
Supplementary Material

S1: a close-in on the transverse out-of-plane quadrupole mode of Ag nanoplates during the irradiation process, at initial (red), intermediate (green) and final (blue) stage of the process, upon cumulative

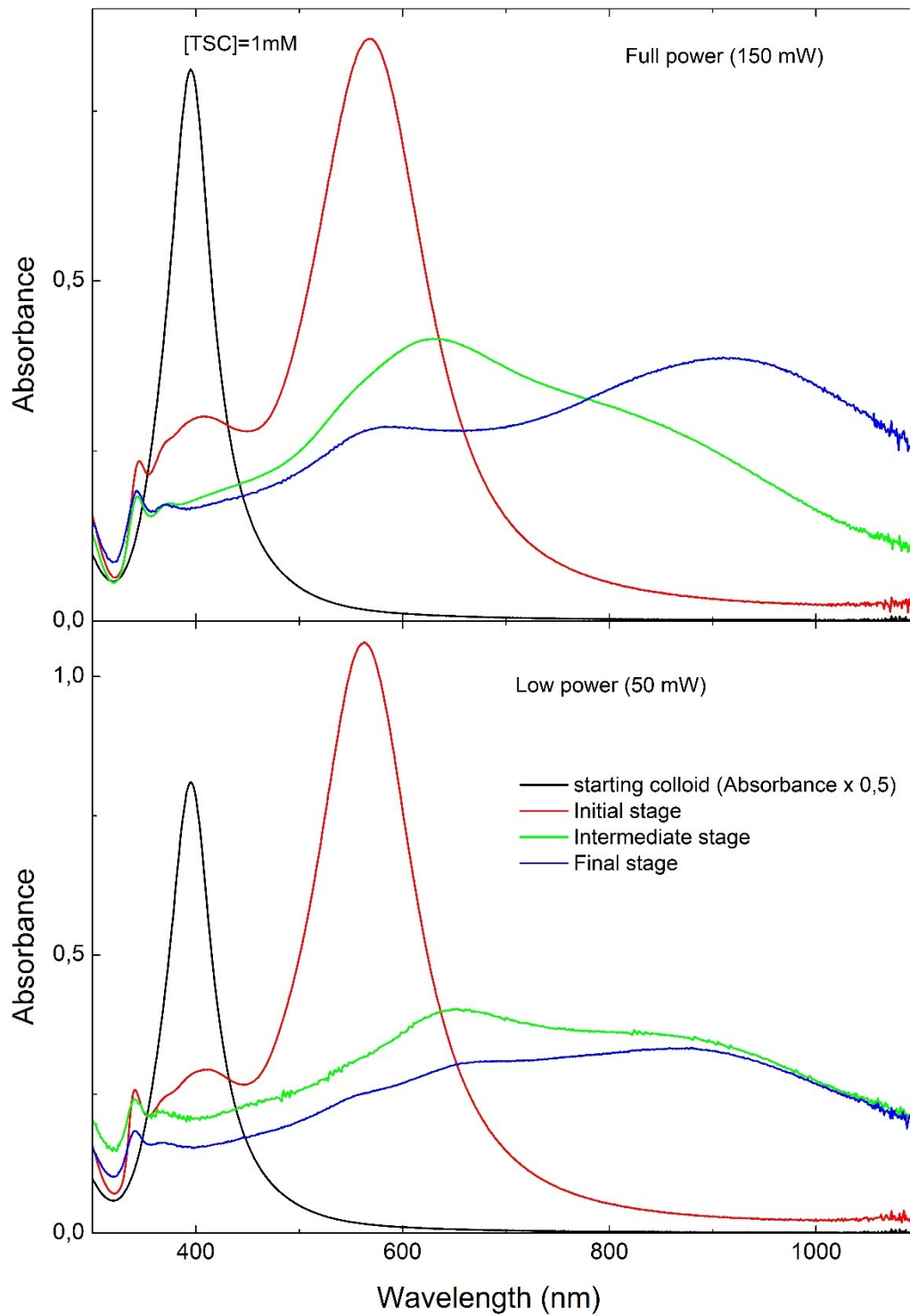


additions of H_2O_2 .

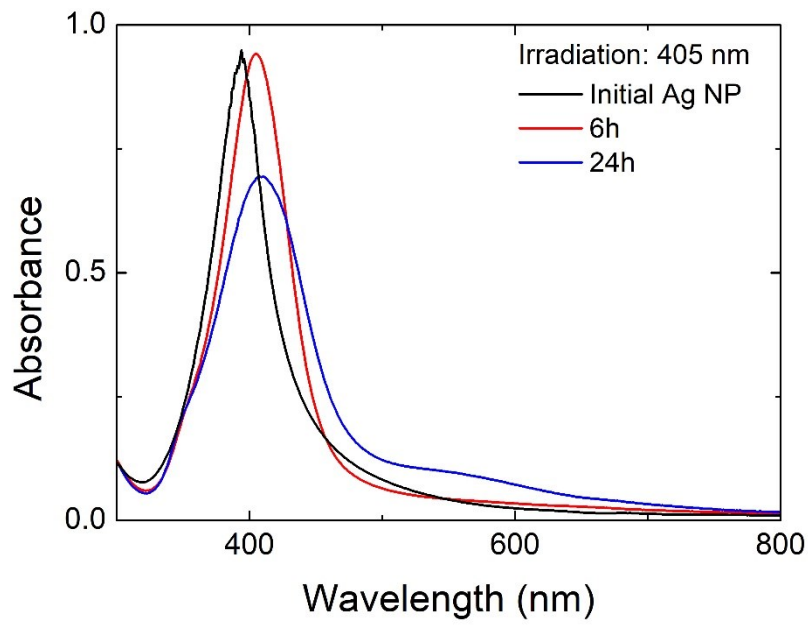
S2: reshaping under different irradiation power at 515 nm and [TSC]=10mM



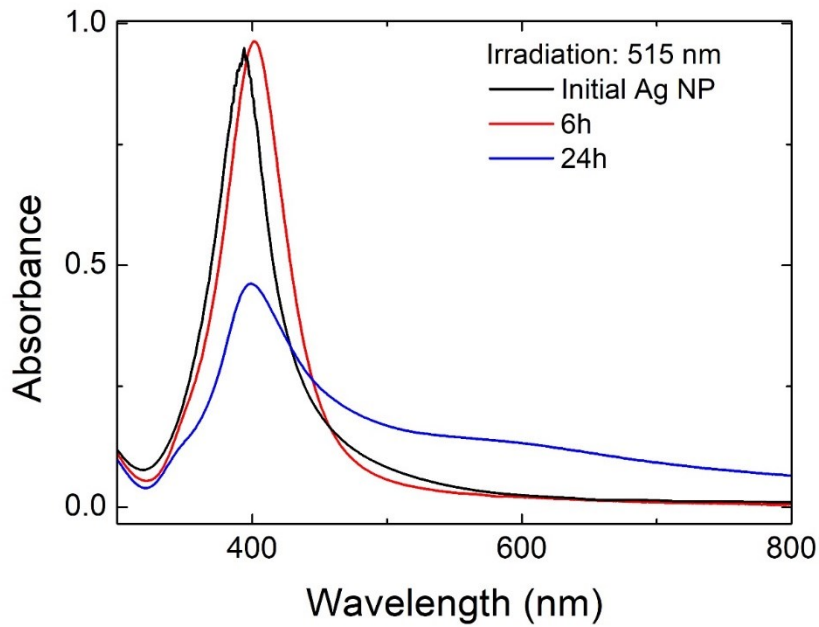
S3: reshaping under different irradiation power at 515 nm and [TSC]=1mM. Absorbance of starting colloid was halved for clarity purpose.



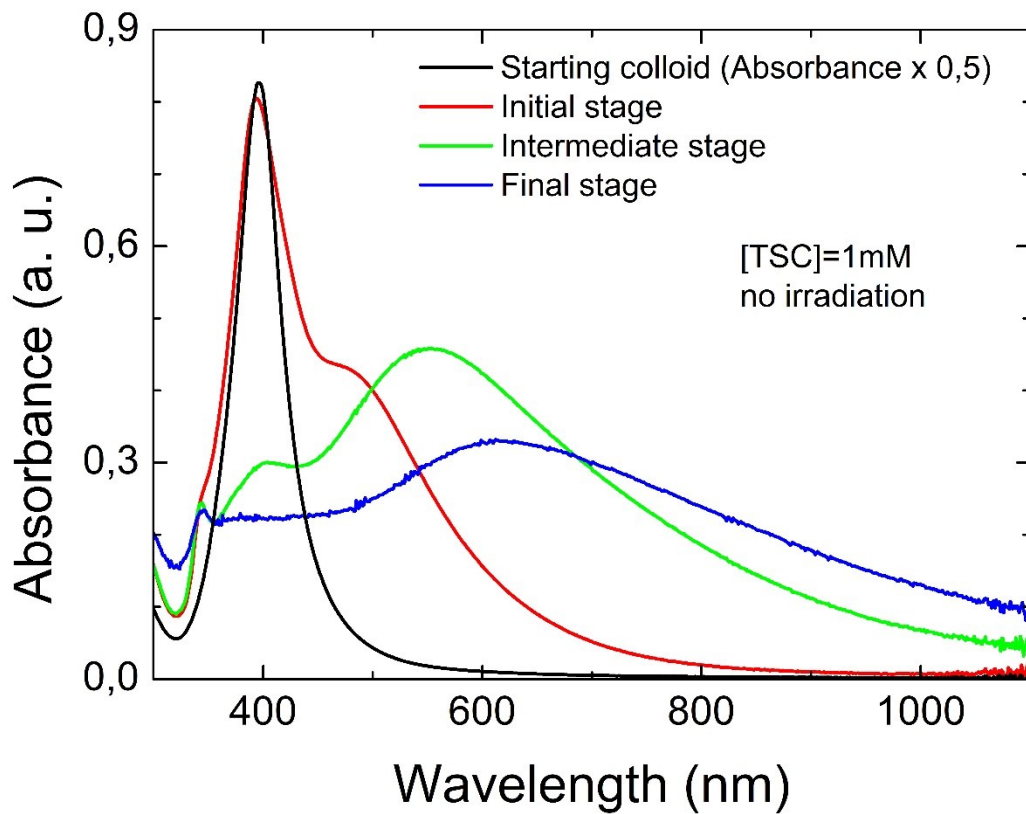
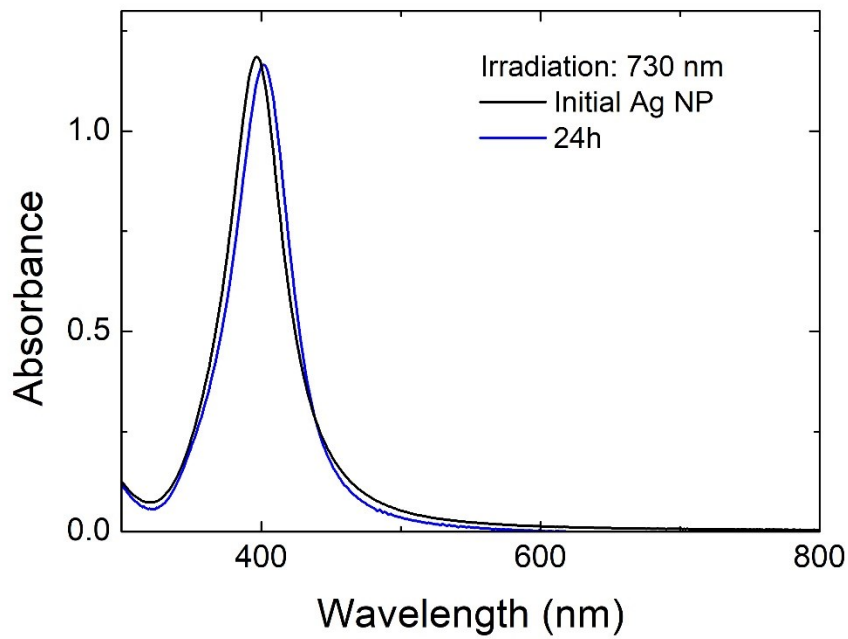
S4: evolution of plasmonic resonance of Ag nanoparticles under 405 nm irradiation at [TSC]=1mM for 24h, without H₂O₂



S5: evolution of plasmonic resonance of Ag nanoparticles under 515 nm irradiation at [TSC]=1mM for 24h, without H₂O₂.



S6: evolution of plasmonic resonance of Ag nanoparticles under 730 nm irradiation at [TSC]=1mM for 24h, without H₂O₂.



S7-S8: Reshaping process with H₂O₂ addition in dark conditions at [TSC]=1mM and 10 mM

