

Supporting Informations for

Seedless CTAB mediated growth of anisotropic nanoparticles and nanoparticle clusters on nanostructured plasmonic templates.

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Growth of Ag and Pd nanoparticles in nanoapertures.

Composition of the nanoparticles synthesized in the nanoapertures was confirmed by the x-ray microanalysis using JEOL JSM6510 SEM/EDS system. Sample distribution of the substrate (Au) and synthesized in the nanoapertures metallic nanostructures (Ag, or Pd) elements are presented in Figures S1 and S2.

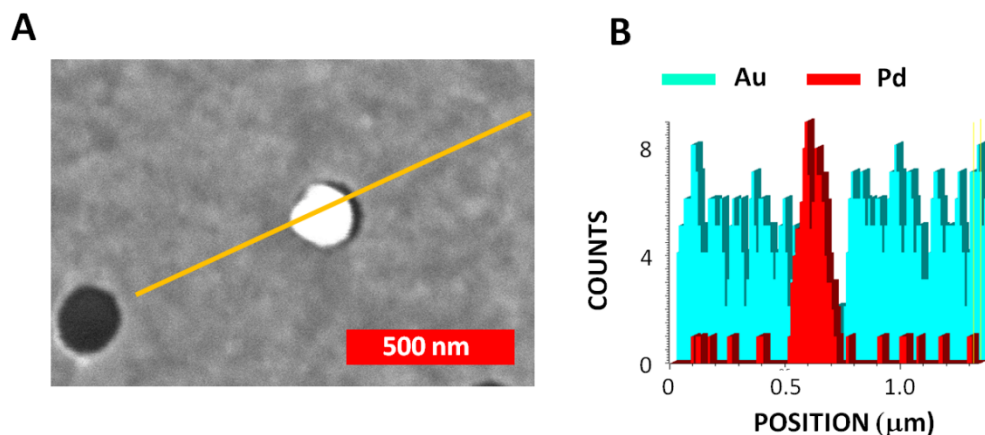


Figure S1. SEM image of palladium nanoparticle synthesized in 200 nm gold nanoaperture (A) with corresponding gold and palladium composition (B) along the line indicated in the SEM image. The

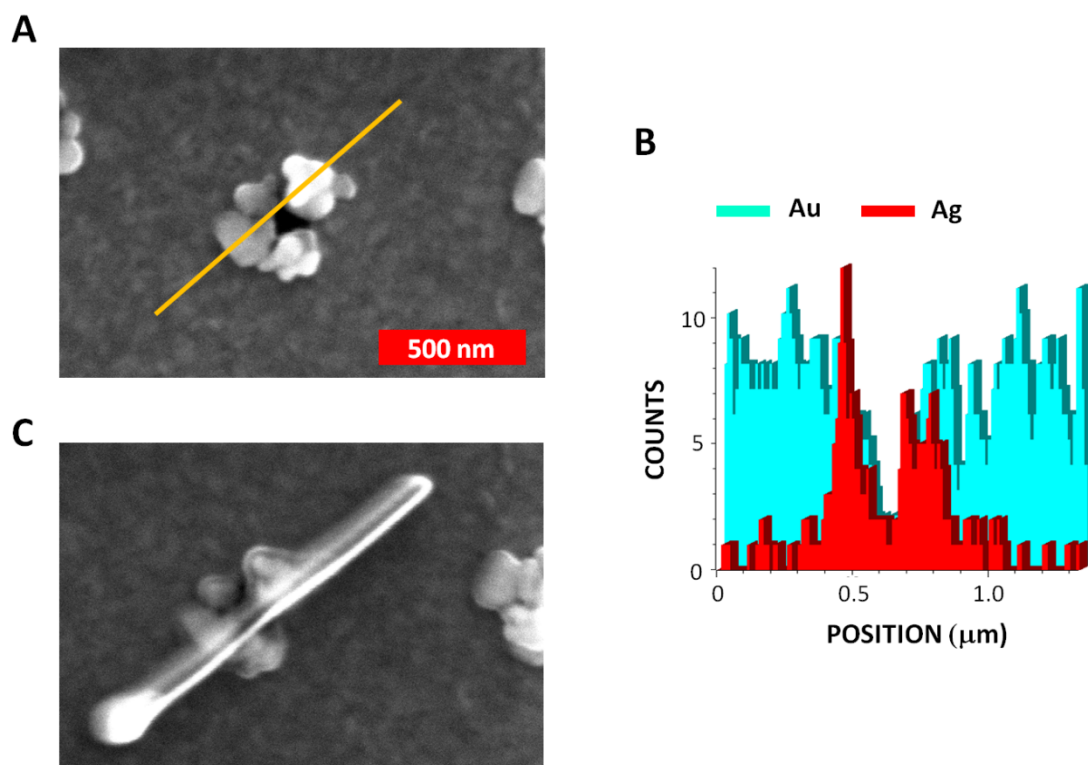


Figure S2. SEM image of silver nanostructure synthesized in 200 nm gold nanoaperture (A) with corresponding gold and silver composition (B) along the line indicated in the SEM image. Picture C shows damage of the film resulted by the X-ray analysis. Scale bar is common for A and C.