

Supplementary Information: Representative FE-SEM and AFM images of aluminum replication masters and nano-embossed Ag films

Facile Fabrication of Large Area Nanostructures for Efficient Surface-Enhanced Raman Scattering

Daeseok Jung, Yoon Mi Lee, Yuwon Lee, Nam Hoon Kim, Kwan Kim,^{*a} and Jin-Kyu Lee^{*b}

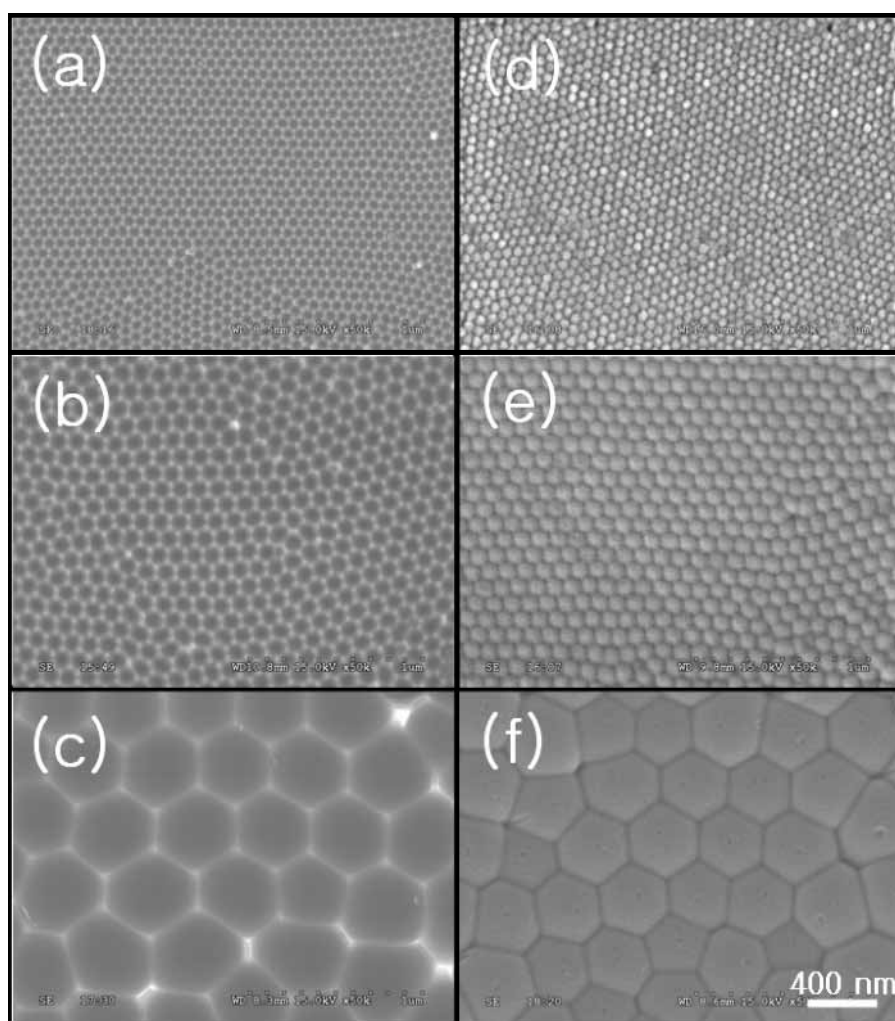


Figure S1. FE-SEM images of the aluminum replication masters (a, b, c) that were prepared by anodizing the Al plate in (a) 0.3 M sulfuric acid (25 V), (b) 0.3 M oxalic acid (40 V), and (c) 0.9 M phosphoric acid (160 V), followed by the removal of aluminum oxide layer. FE-SEM images of hexagonally arrayed polystyrene emboss films onto which 50-nm thick silver was deposited after replicating from the aluminum replication masters are presented in (d ~f). (All the images are in the same scale)

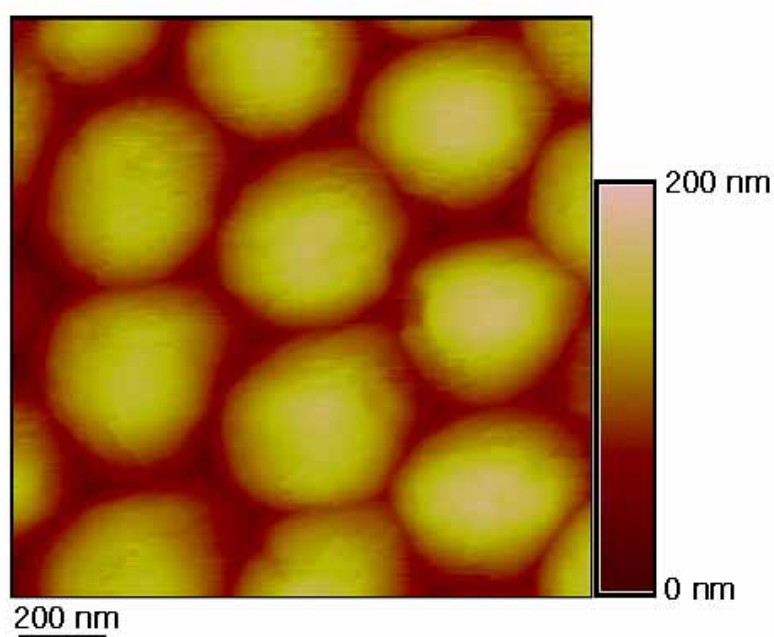


Figure S2. Representative AFM image showing hexagonally packed Ag (250 nm thickness) on PE replicas fabricated using an Al master prepared in phosphoric acid.