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Durable Surface-enhanced Raman Scattering Substrate: Ultrathin Carbon Layer Encapsulated Ag Nanoparticle Arrays on Indium-Tin-Oxide Glass

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Supplementary Information

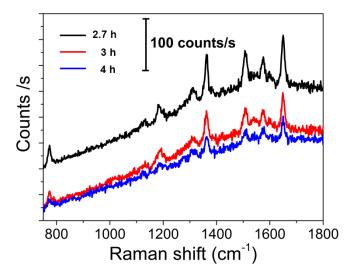


Fig. S1 SERRS spectra of the R6G molecules adsorbed on the surface of the Ag NA growing for 2.7, 3, and 4 h without adding ZnO powders.

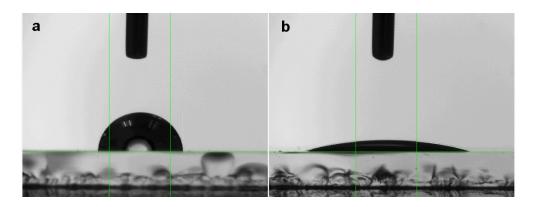


Fig. S2 Optical images of a water droplet on (a) Ag NA and (b) UCL(4.5nm)-Ag-NA.

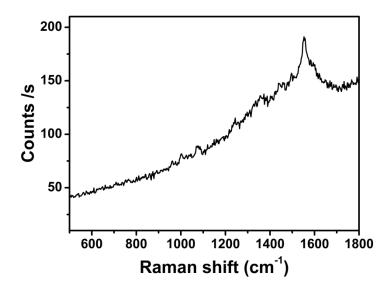


Fig. S3 SERS spectrum of TPP adsorbed on the surface of UCL(4.5nm)-Ag-NA.

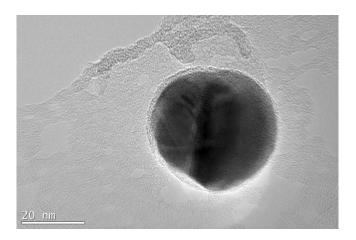


Fig. S4 TEM image of a typical Ag nanoparticle after 180 days of storage.