Supporting Information

Ultrasensitive and reproducible Surface-Enhanced Raman Scattering detection via optimized adsorption process and filter-based substrate

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Figure S1. Representative SERS intensities of $10^{-6}$ M R6G in the untreated and the optimized conditions.
Figure S2. The linear relationship between SERS intensities and the concentration of R6G.
Figure S3. XPS spectra of the fresh Ag NPs supported on filter membrane (red) and three month later (black).