Supplementary materials

Differentiating surface and bulk interactions in nanoplasmonic interferometric sensor arrays

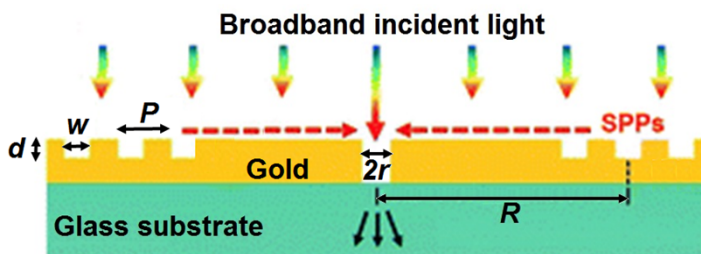Beibei Zeng,*[a] Yongkang Gao, [a] Filbert J. Bartoli, †[a]

Fig. S1. Side view of the ring-hole nanostructure. The optimized structural parameters: groove periodicity P=430nm, R=4.35μm, w=210nm, d=45nm, and r=300nm.
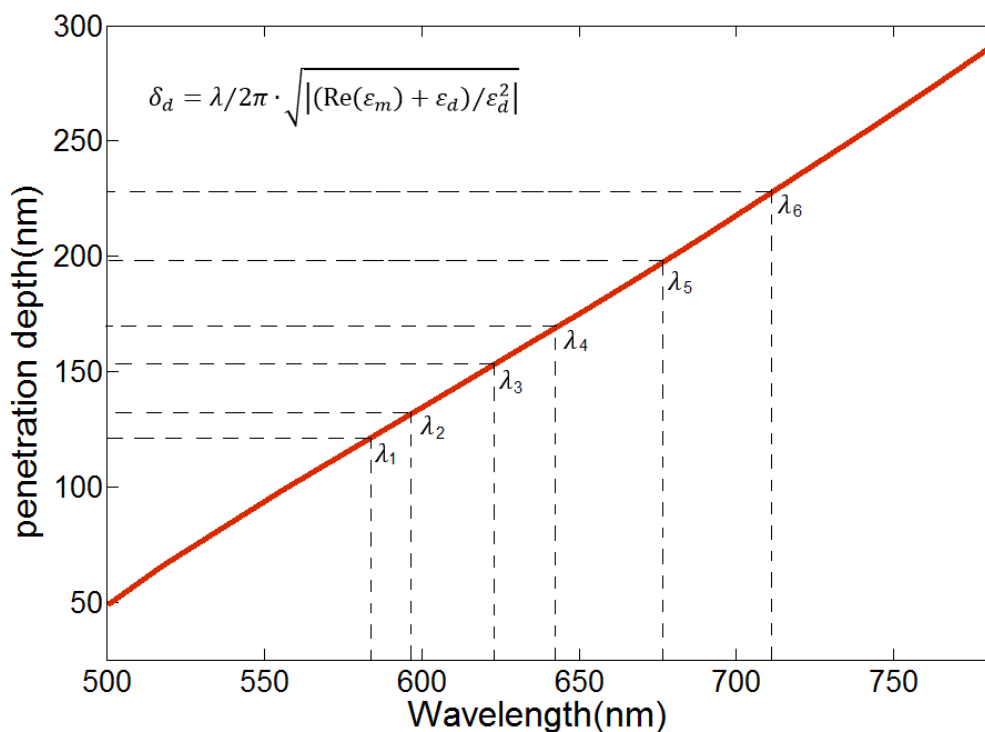

Fig. S2. Theoretical penetration depths δ_d of SPPs into the water solution at the Au/water interface as a function of wavelength. λ_1 to λ_6 represent the wavelengths of multiple interference peaks and valleys.

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