

Supplementary information for
“Magneto-optical plasmonic heterostructure with ultranarrow resonance for
sensing applications”

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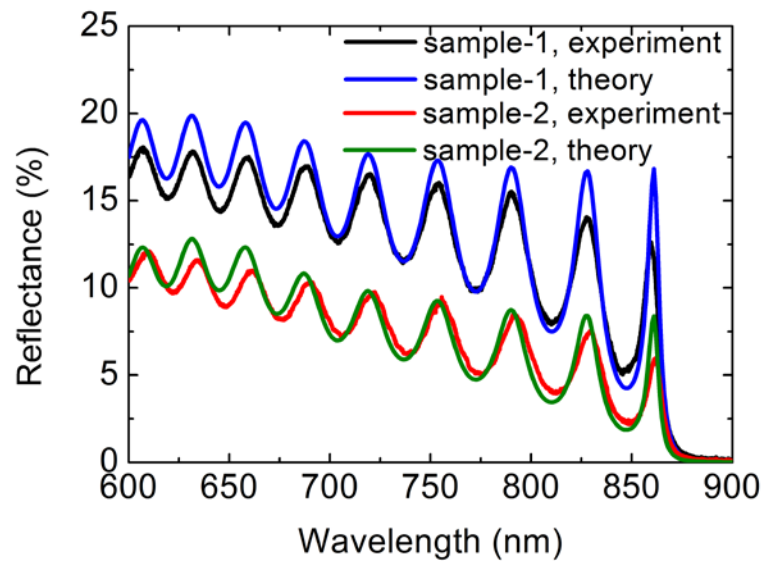


Figure 1S | Theoretical and experimental curves of the transmission spectra of the two samples corresponding to the normal incidence of light. Detailed parameters of the structures are described in Methods.

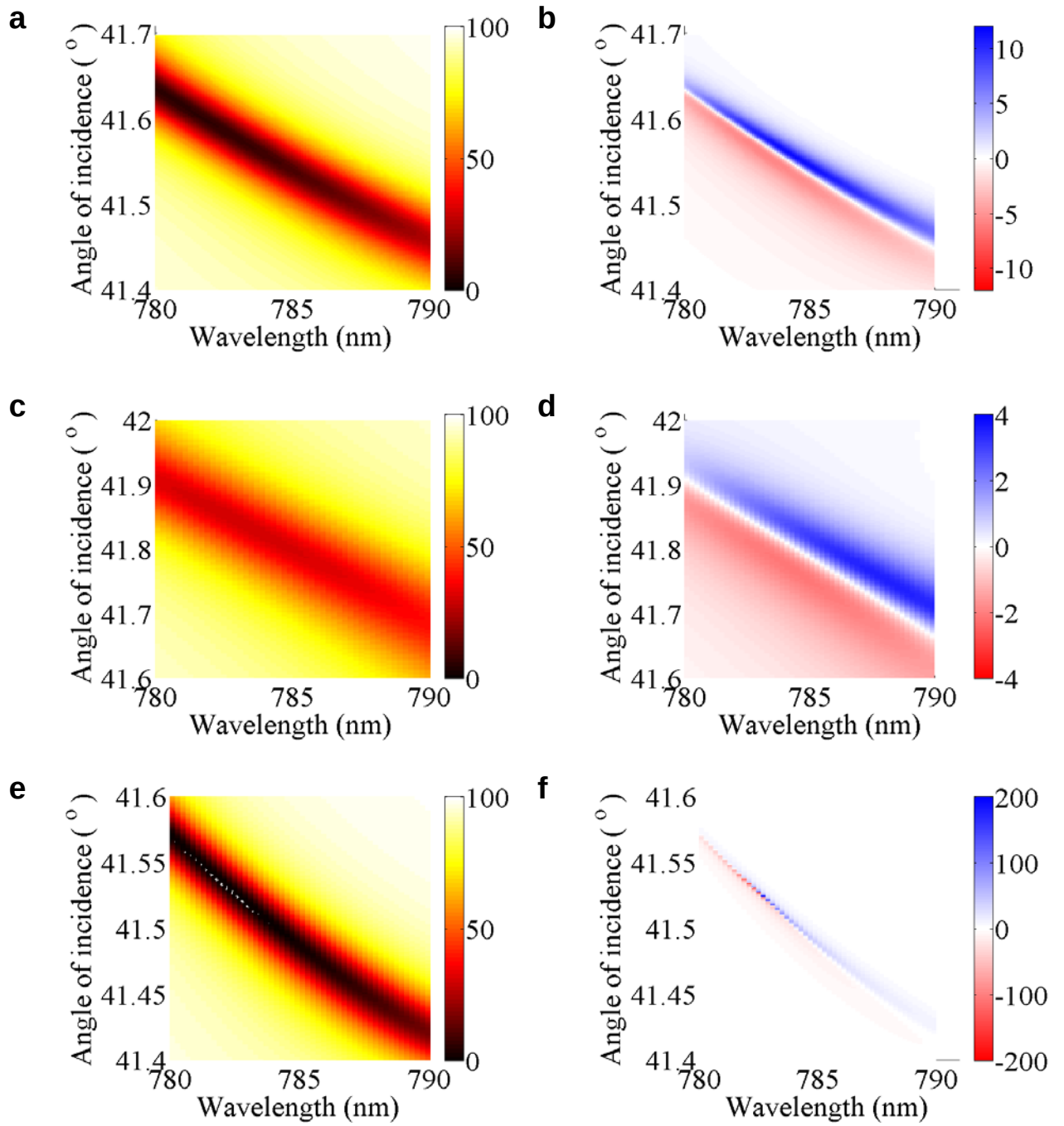


Figure 2S | The numerical calculation of (a,c,e) reflectance and (b,d,f) TMOKE for the sample-1 (a,b), the sample-2 (c,d) and optimized sample configuration (e,f). Detailed parameters of the structures are described in Methods.

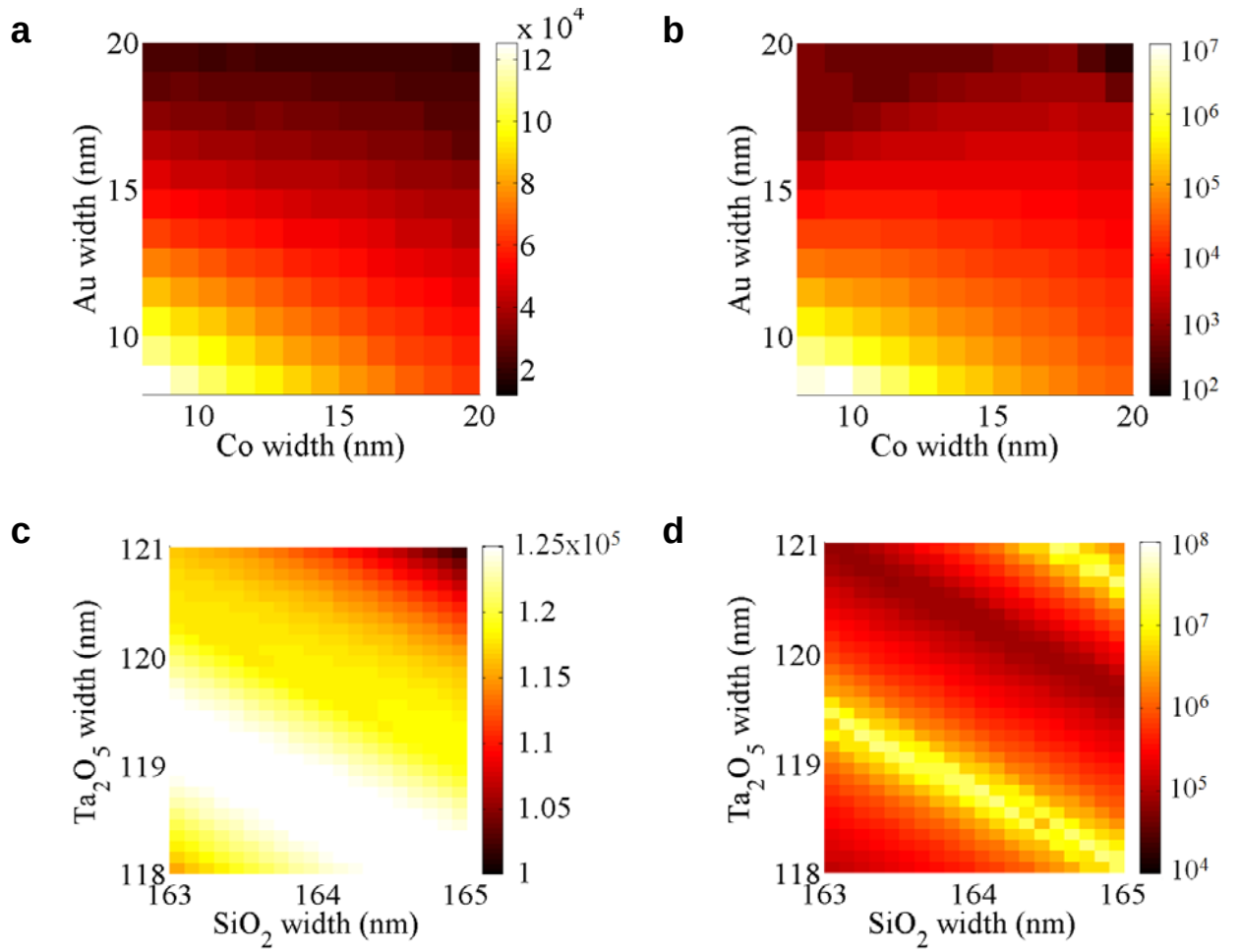


Figure 3S | The numerical calculation of **(a,c)** SPR and **(b,d)** TMOKE sensitivity for different width tolerance of Au, Co **(a,b)**, and Ta₂O₅, SiO₂ **(c,d)** layers. See details in Methods.