

Plasmonic Modes of Metallic Semishells in a Polymer Film

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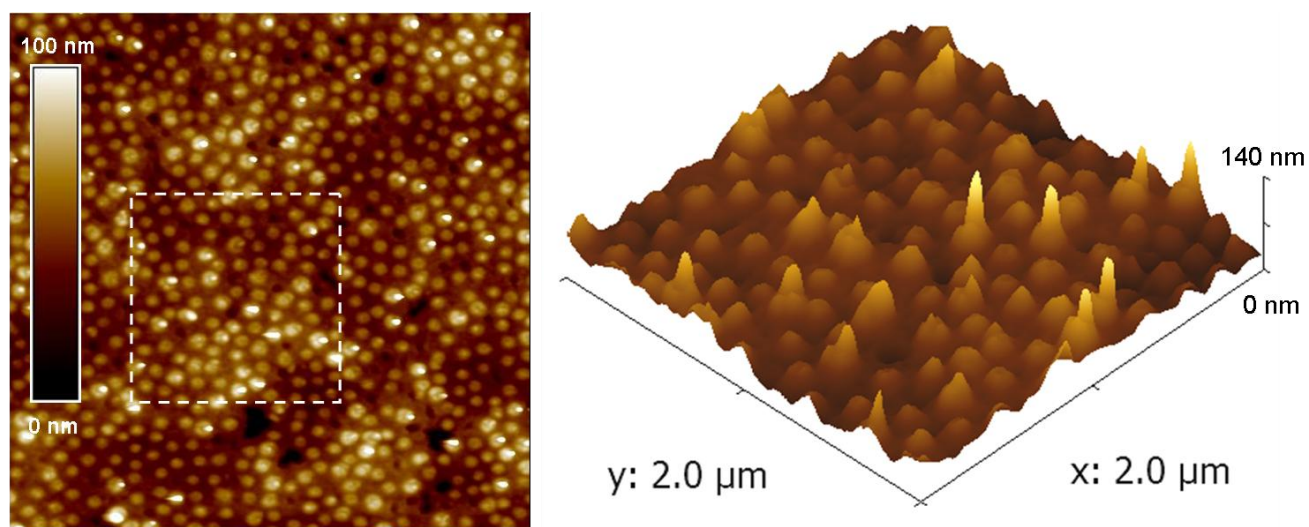


Figure S1. (A) An AFM image ($5\ \mu\text{m} \times 5\ \mu\text{m}$) of a Au semishell film. The indicated area in the dashed box in (A) is enlarged in (B) with a three-dimensional mode.

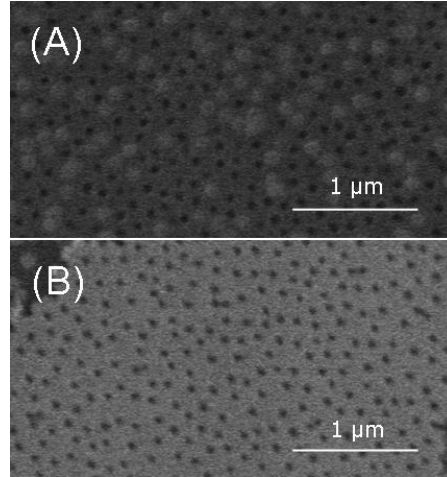


Figure S2. SEM images of Au semishell films fabricated with a ratio of PDMS prepolymer to curing agent of (A) 10:1 and (B) 5:1. No Ti adhesion layer used in these two samples.

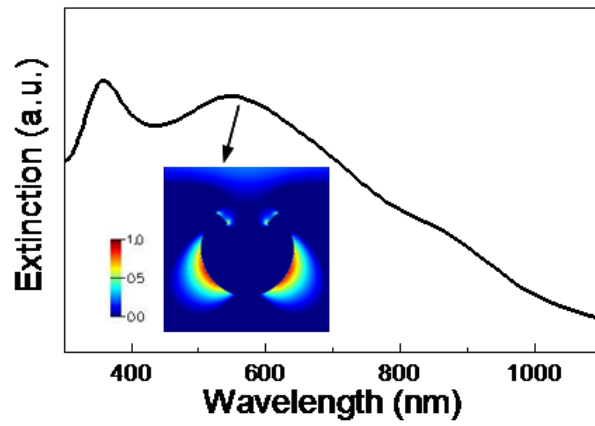


Figure S3. Calculated extinction spectrum of an Al semishell with 20 nm shell thickness in PDMS. The inset shows the electric field ($\text{Log}|E|^2$) profile of the dipolar mode of the Al semishell.