

# Designing the hotspots distribution by anisotropic growth

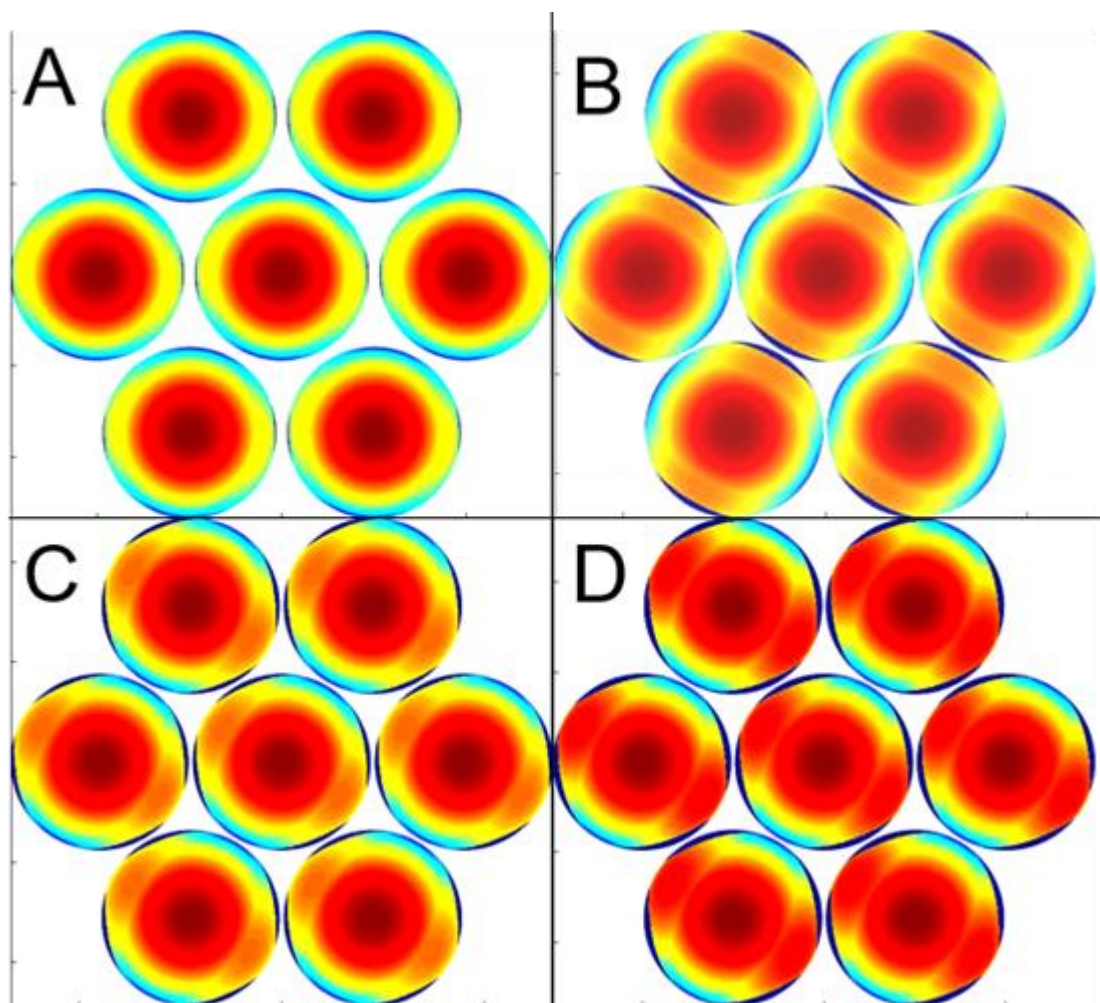
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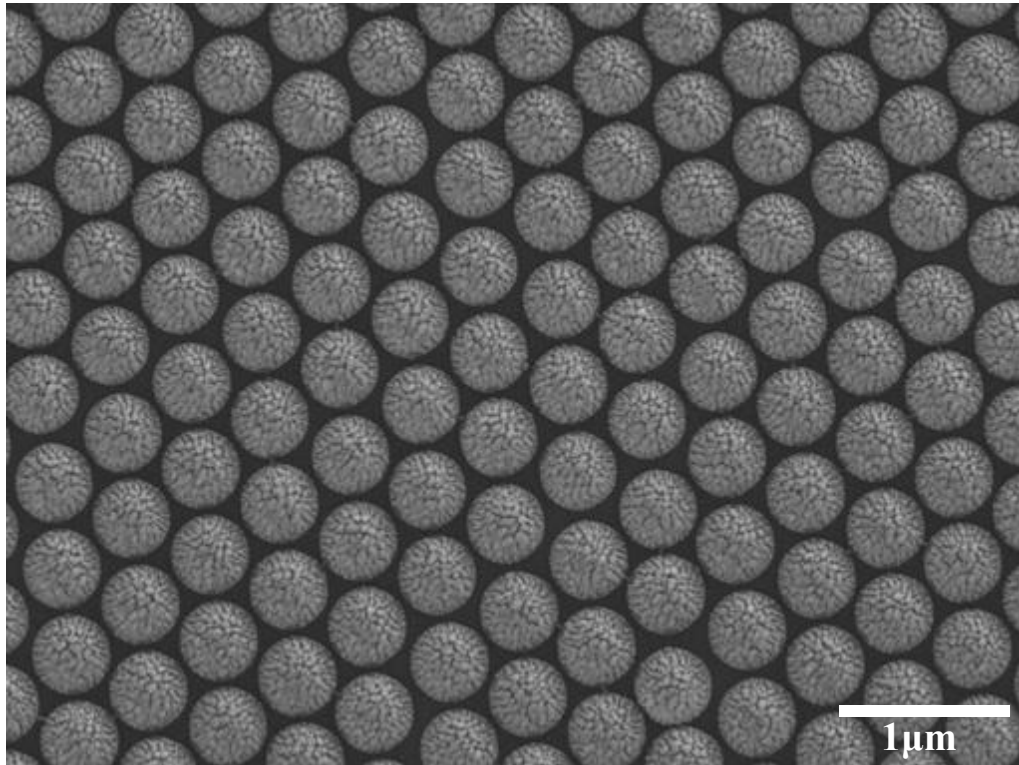
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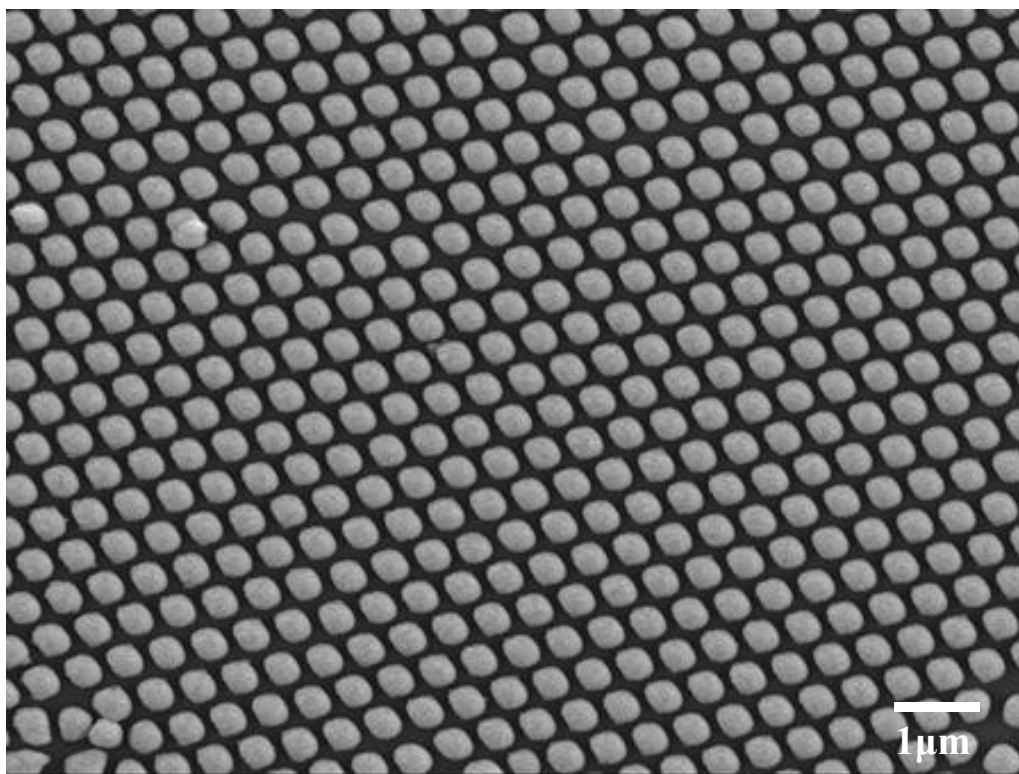
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**Figure S1.** The MATLAB simulation of the different shape arrays.



**Figure S2.** SEM images of nanocaps deposited on PS array with OAD angles of 0°



**Figure S3.** The large area of walnut shaped nanostructure.

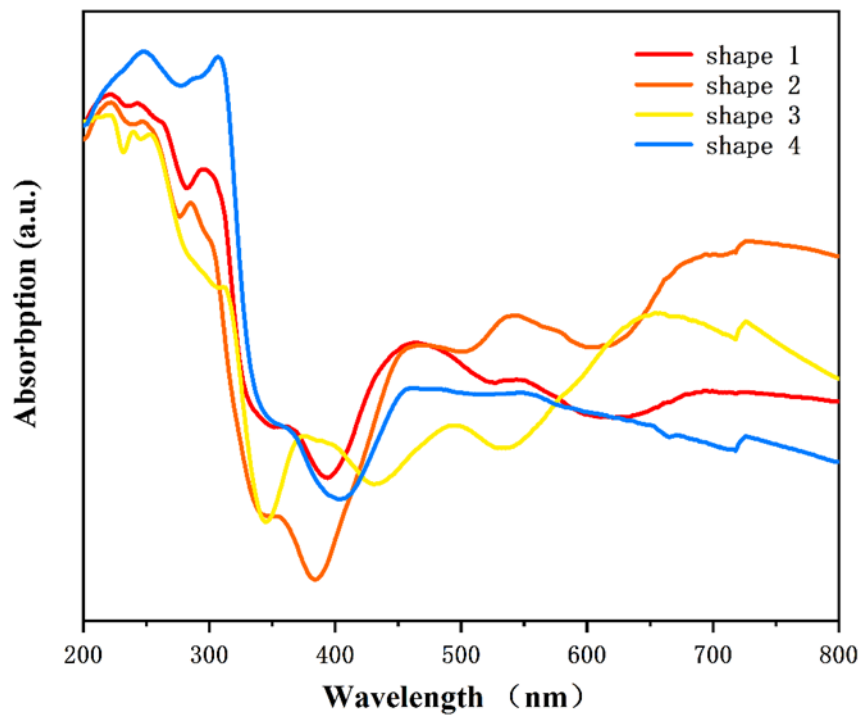


Figure S4. U-V images of different nanocaps.

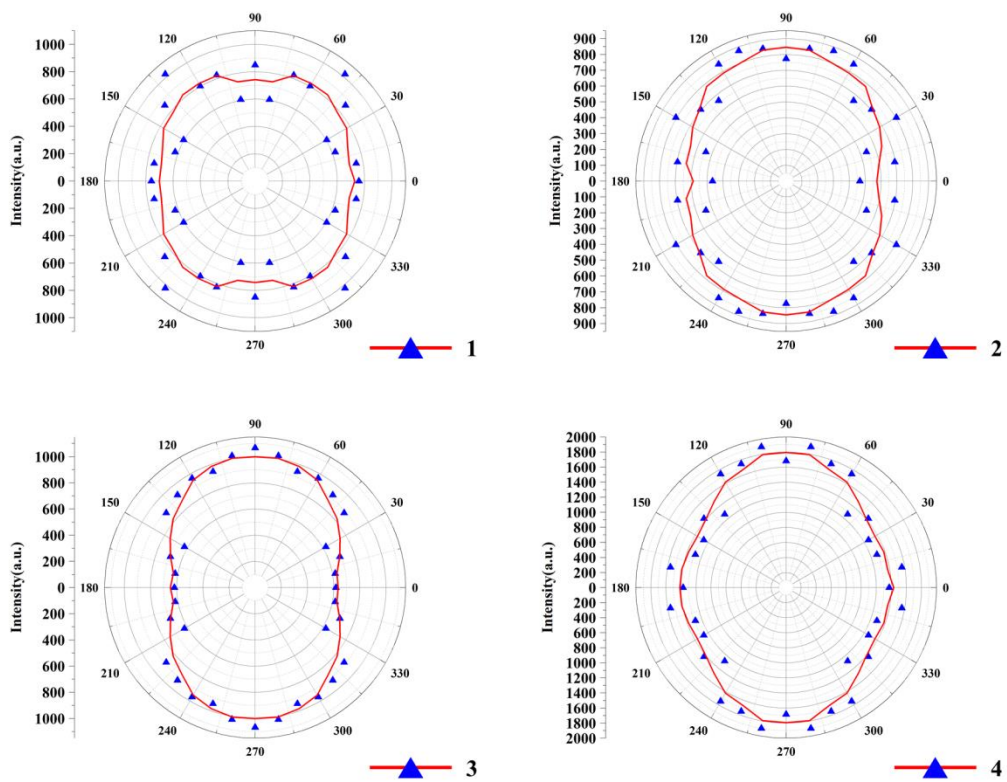


Figure S5. The polar coordinate diagram of corresponding SERS strength changing with the angle of incident excitation light. When the wavelength is the 518  $\text{cm}^{-1}$

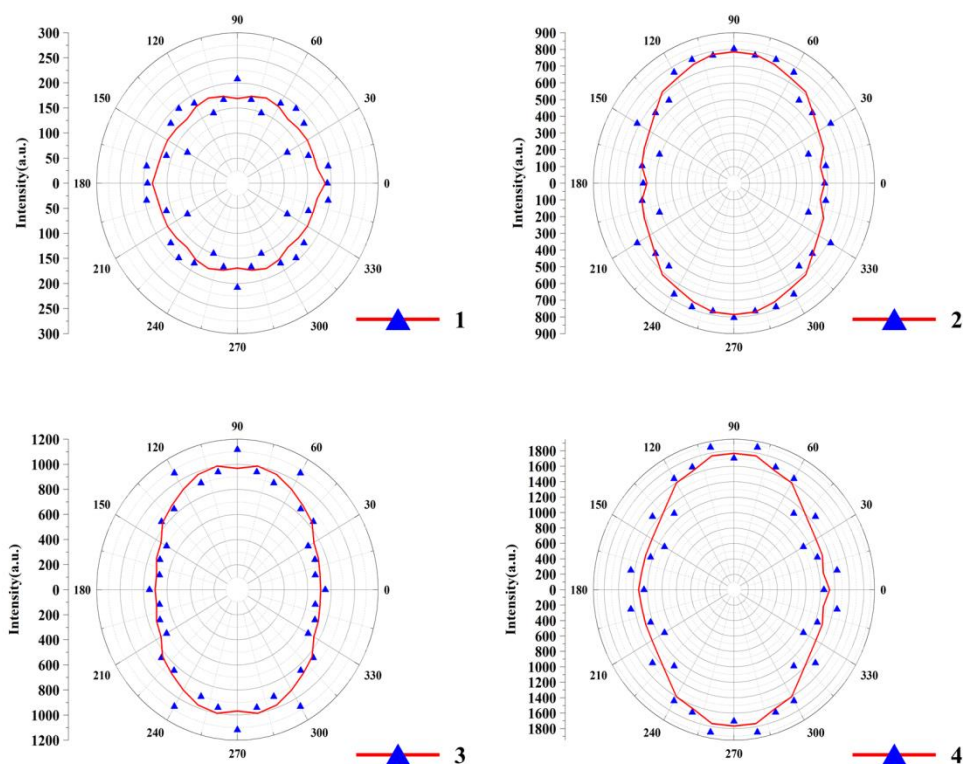


Figure S6. The polar coordinate diagram of corresponding SERS strength changing with the angle of incident excitation light. When the wavelength is the 1075  $\text{cm}^{-1}$