

Supplementary Information

Fabrication of Freestanding Honeycomb Films with Through-Pore Structures via Air/Water Interfacial Self-Assembly

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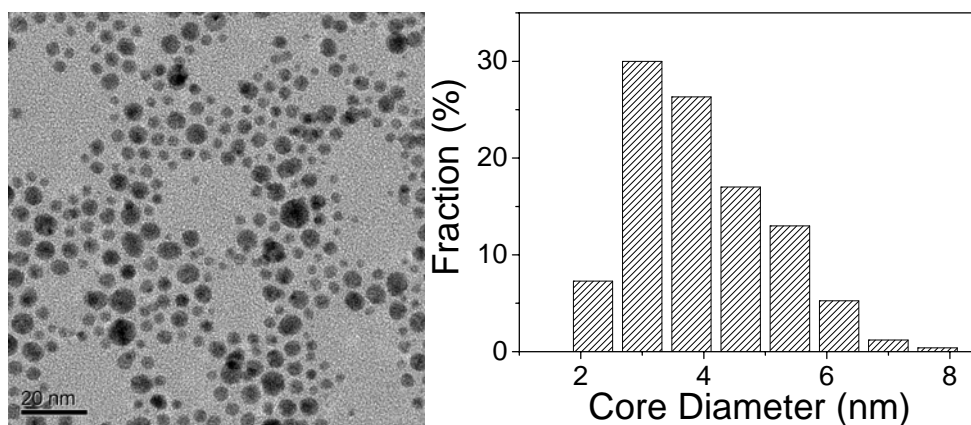


Fig. S1 TEM image of dodecanethiol-stabilized gold nanoparticles (left) and the corresponding size distribution histogram (right).

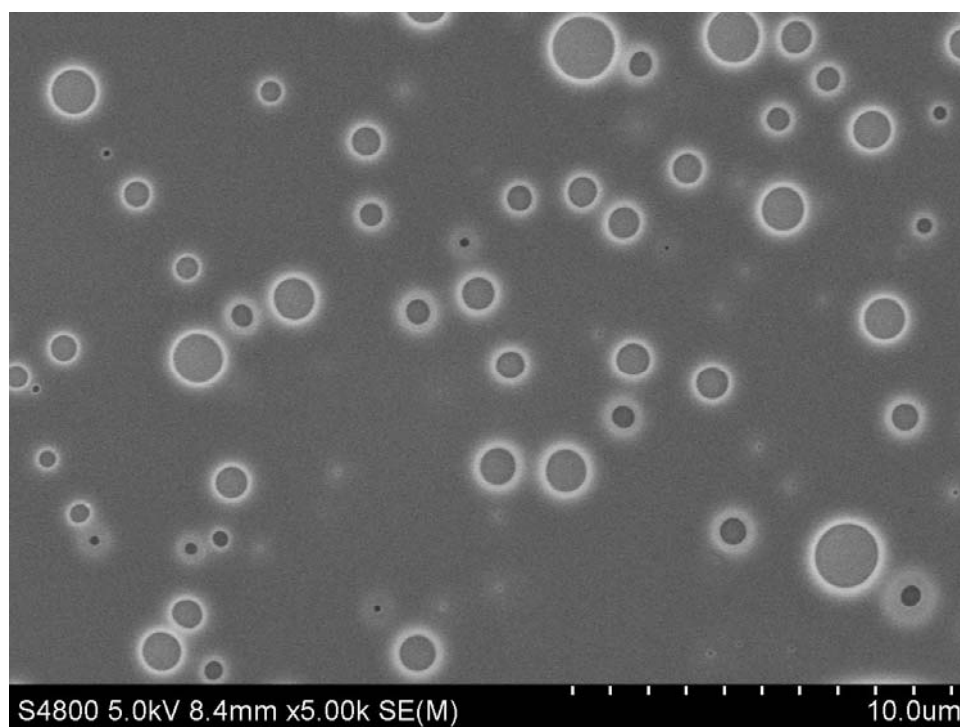


Fig. S2 SEM image of polystyrene (PS) porous film prepared using breath figure method. The casting solution contained 2.5 g/L of PS.

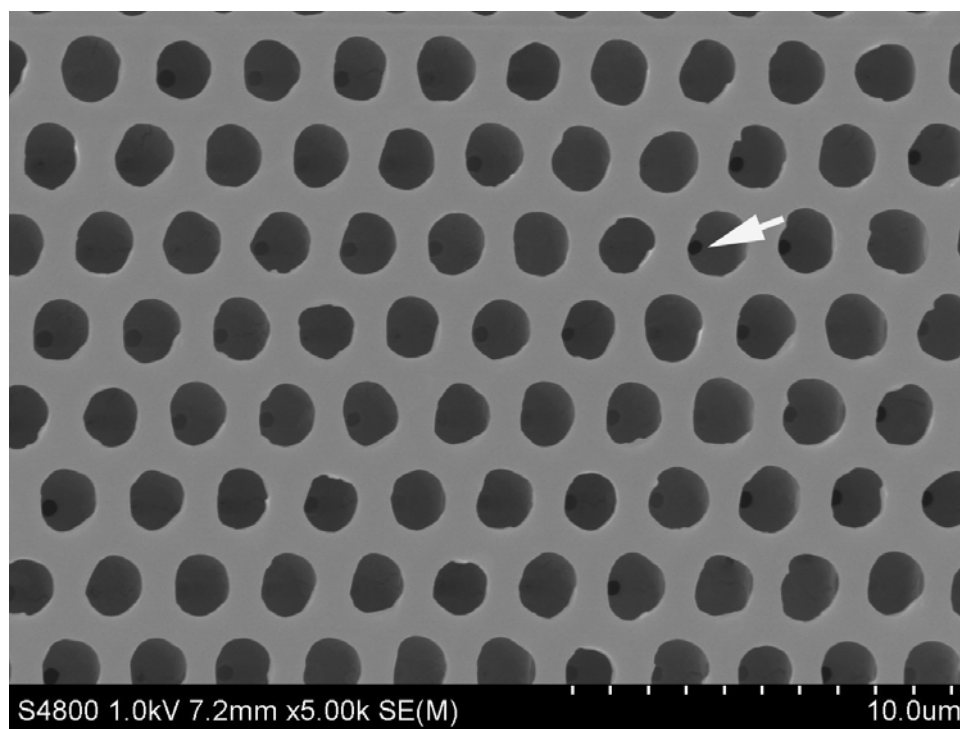


Fig. S3 SEM image of top side of the freestanding honeycomb film prepared at air/water interface.

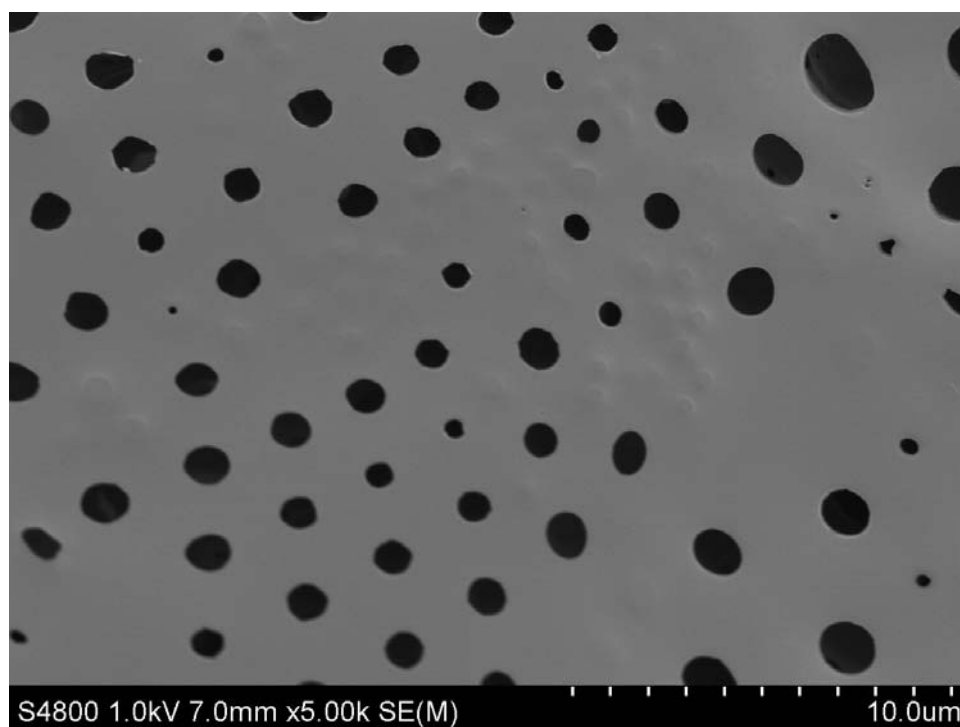


Fig. S4 SEM image of bottom side of the freestanding honeycomb film prepared at air/water interface.

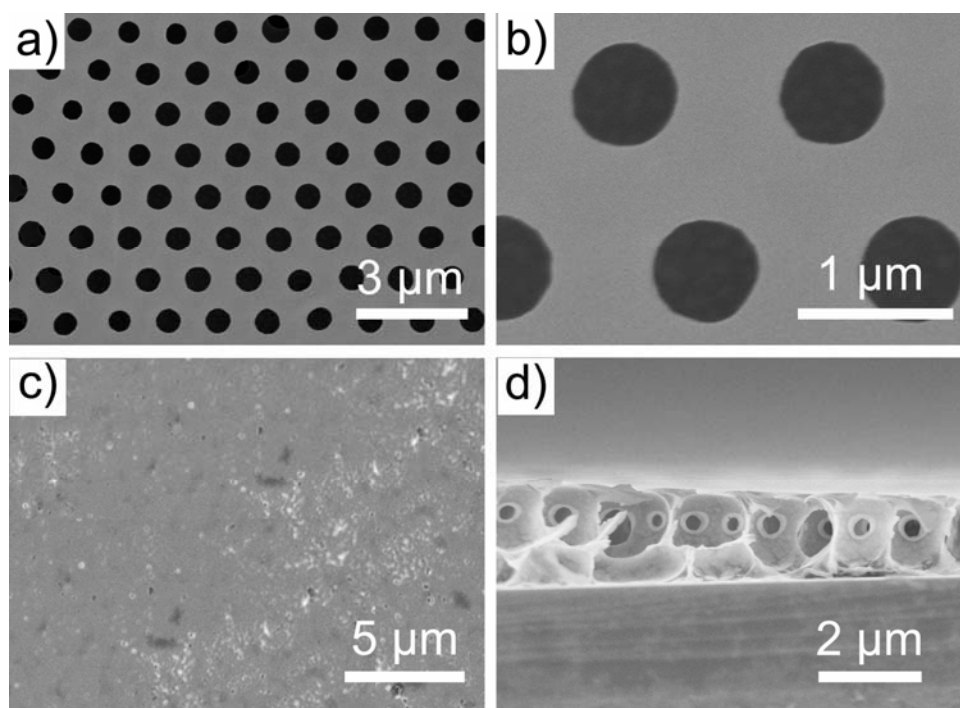


Fig. S5 SEM images of the honeycomb film formed at solid surface: top view (a, b); bottom view (c); cross section (d).