

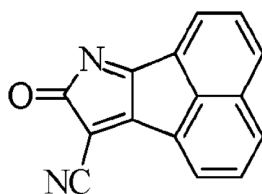
Supplementary Information

Engineering microstructured porous films for multiple applications *via*
mussel-inspired surface coating

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Scheme S1. The molecular structure of the fluorescence probe used to label cysteine.

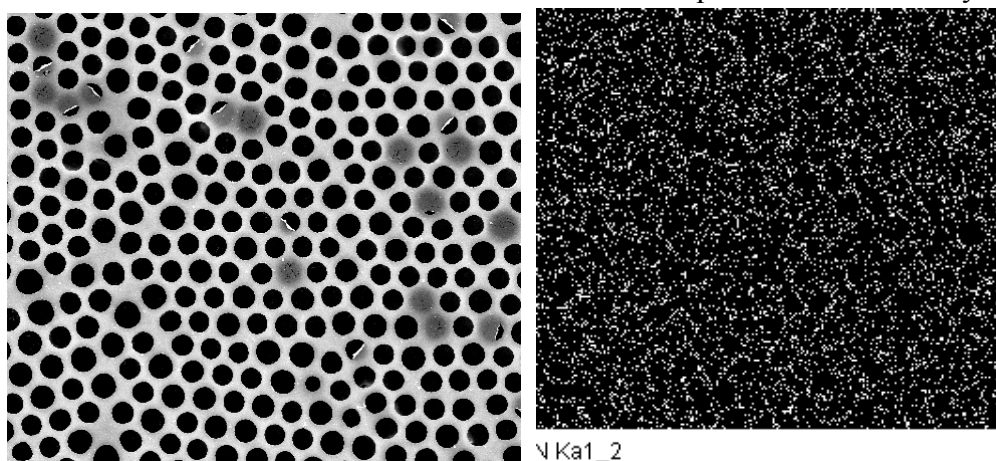


Fig. S1. Energy-dispersive X-ray spectroscopy (EDS) analysis of the polydopamine coated honeycomb film.

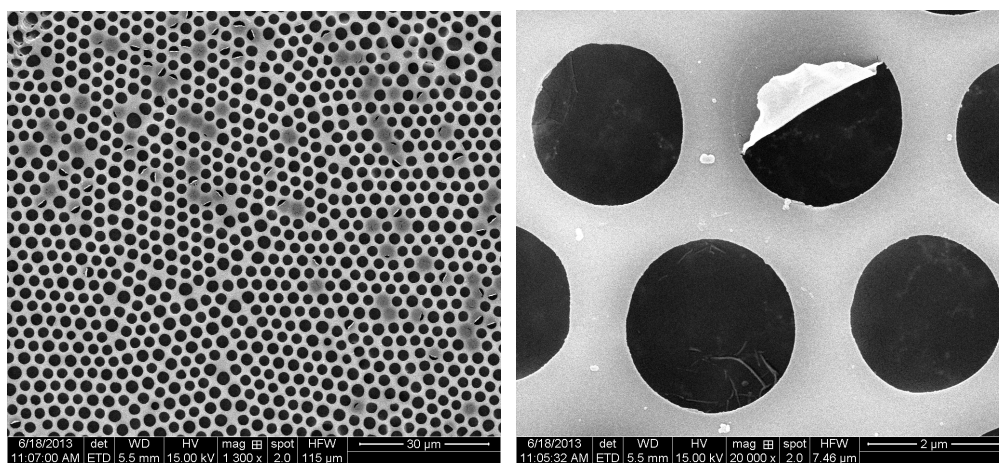


Fig. S2. SEM images of the honeycomb films after the polydopamine coating.

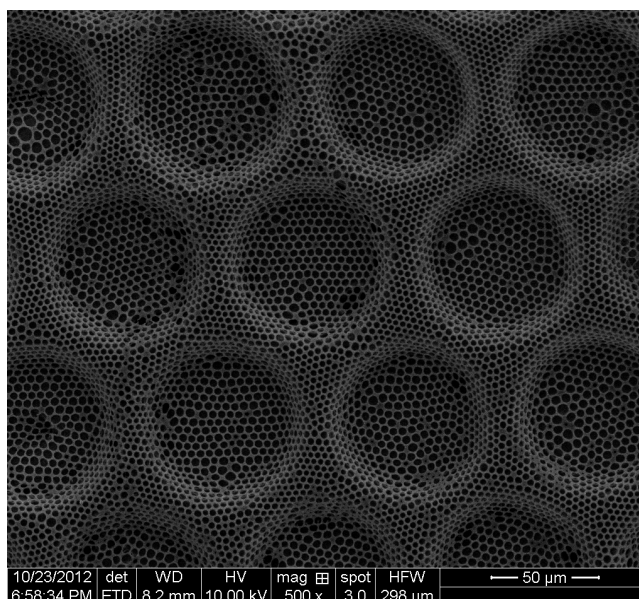


Fig. S3. SEM image of the honeycomb film formed on a TEM grid.

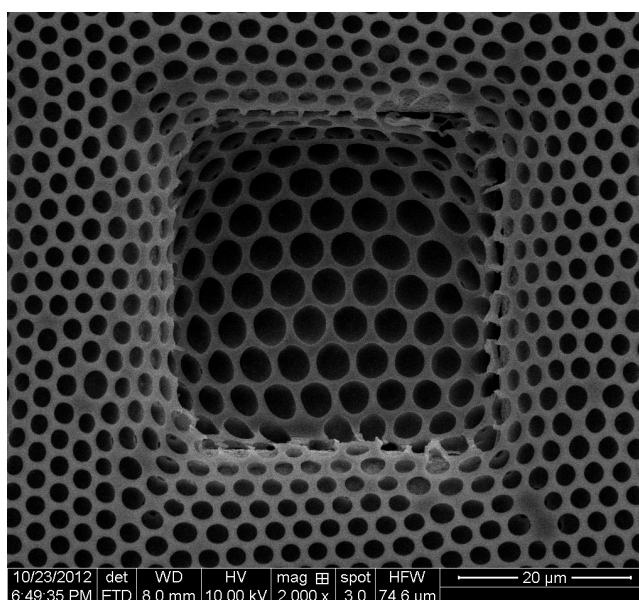


Fig. S4. SEM image of the honeycomb film formed on a TEM grid.

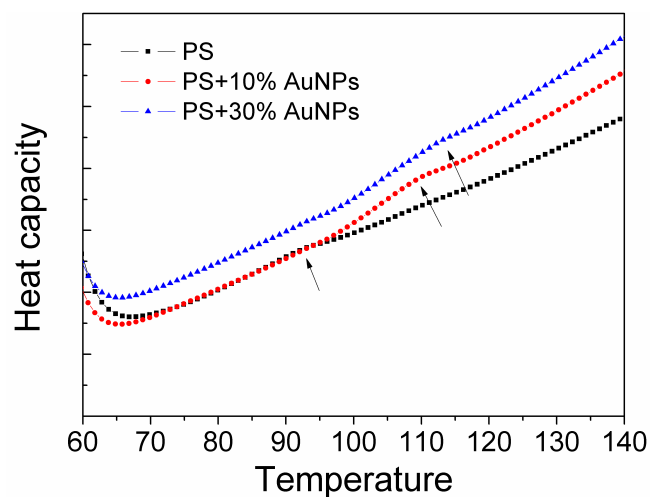


Fig. S5. DSC measurements of thin films prepared from PS and nanocomposites.

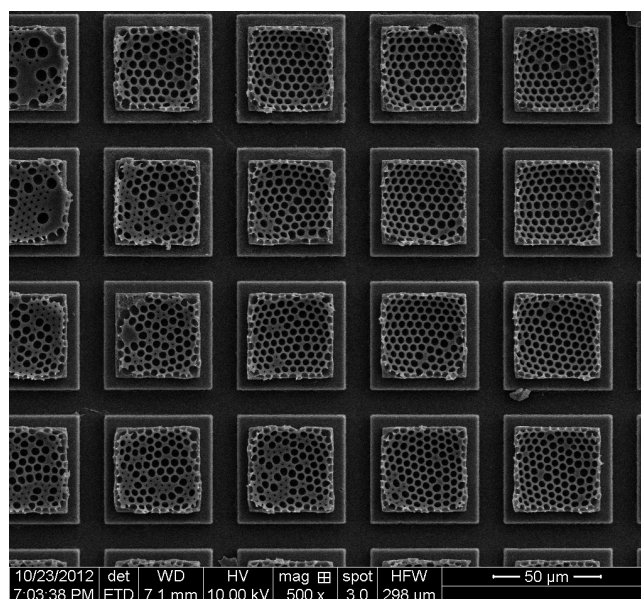


Fig. S6. SEM image of the micropatterned honeycomb film.

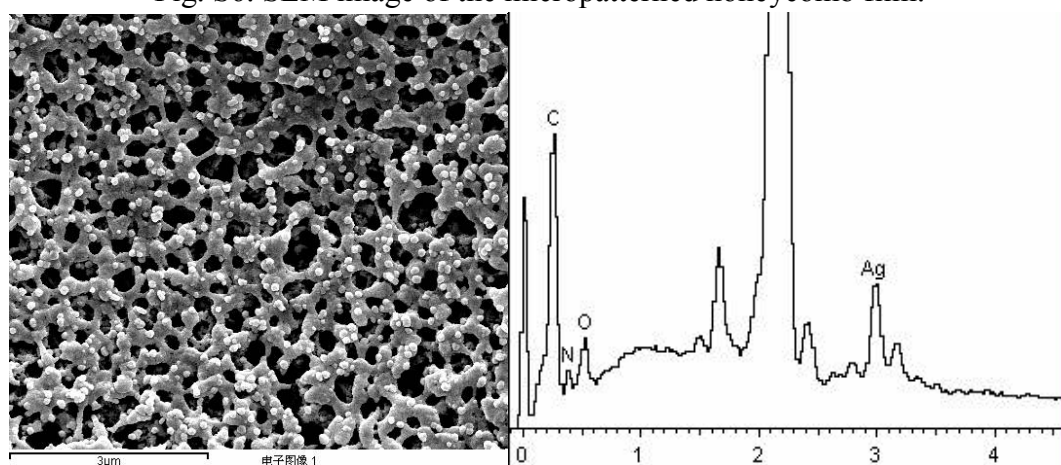


Fig. S7. EDS analysis of the AgNPs decorated microfiltration membrane.

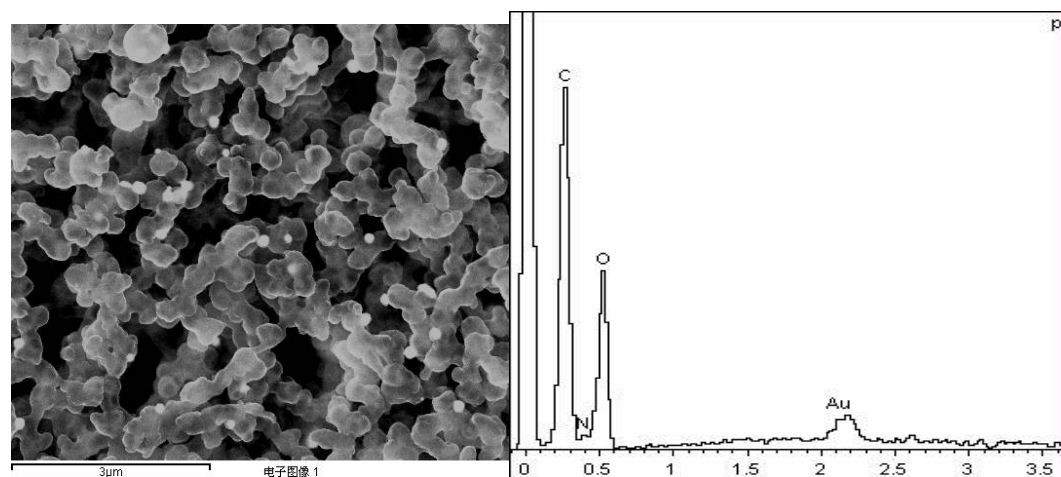


Fig. S8. EDS analysis of the AuNPs decorated microfiltration membrane.

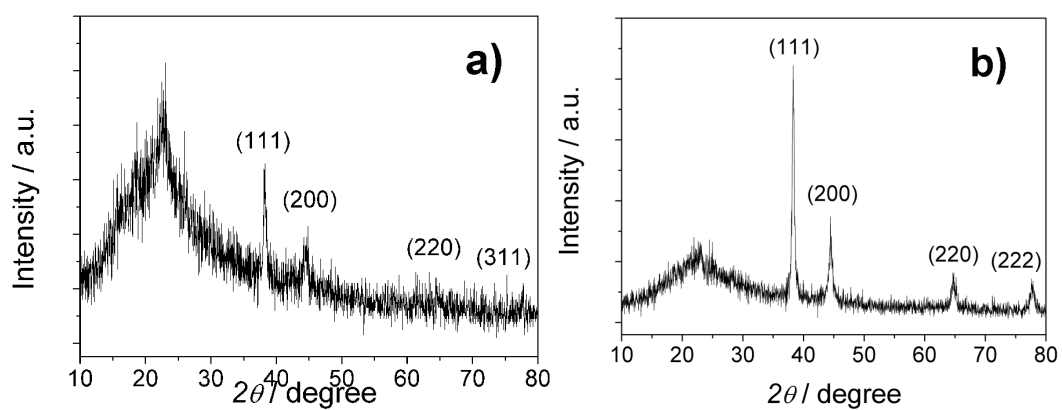


Fig. S9. XRD patterns of AgNPs (a) and AuNPs (b) decorated on the microfiltration membrane.