

Supporting Information

Superamphiphobic coatings with coralline-like structure enabled by one-step spray of polyurethane/carbon nanotube composites

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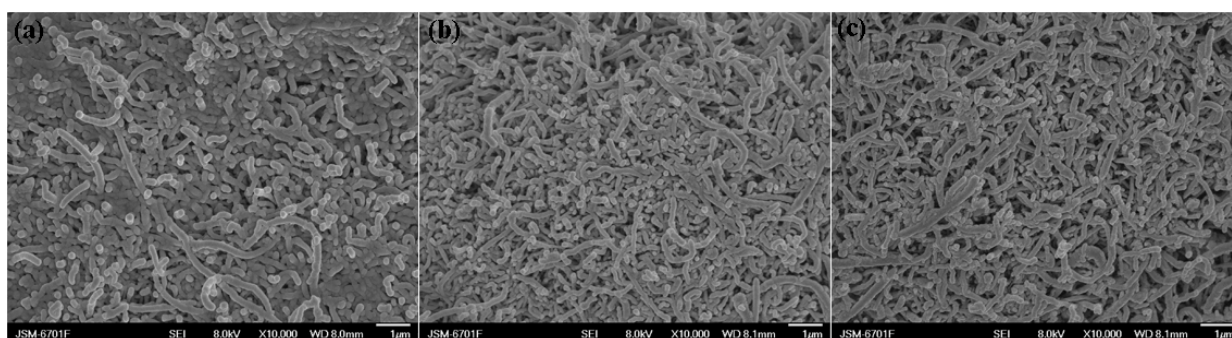


Fig. S1 SEM images of raw MWCNTs (a), MWCNTs-COOH (b) and MWCNTs-PFOL (c).

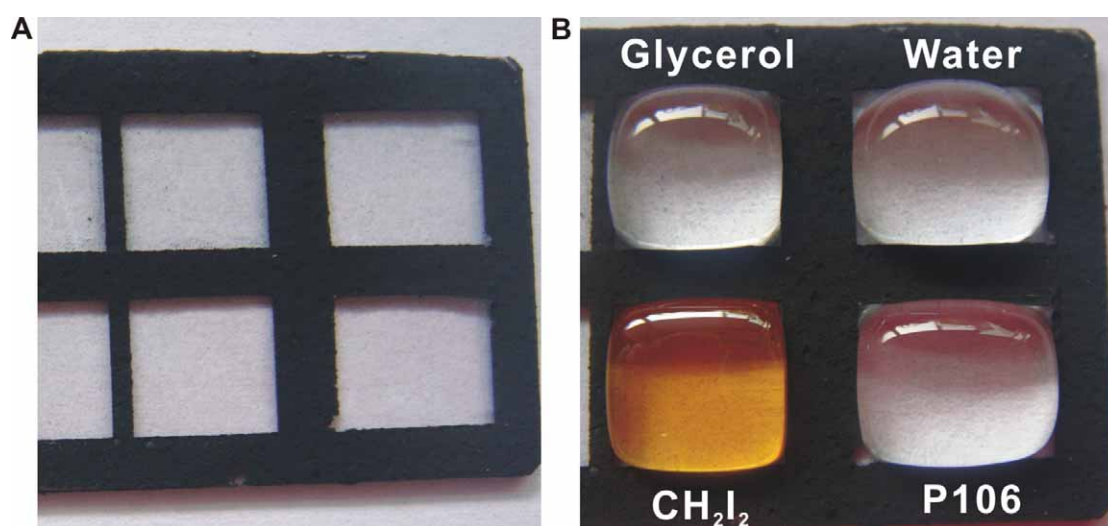


Fig. S2 Photographs of (A) patterned coating on glass slide and (B) liquids sealing demonstration by using the patterned coating.

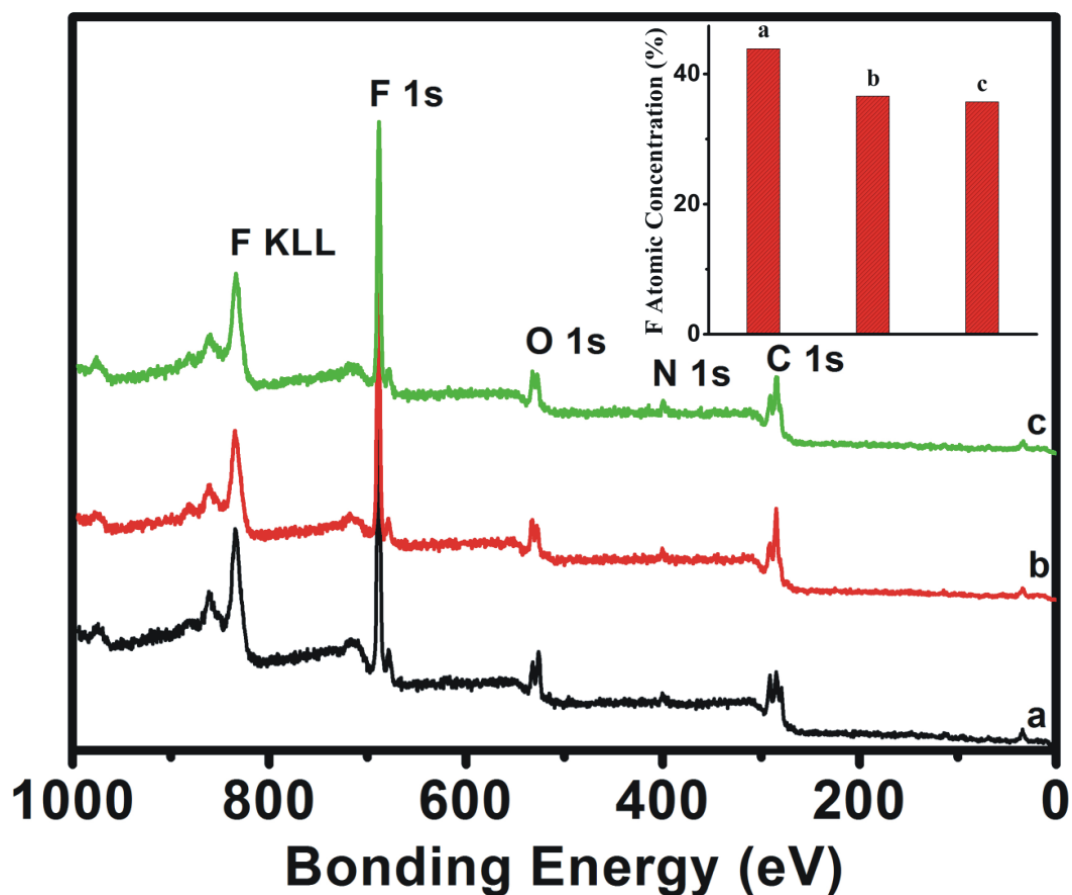


Fig. S3 XPS survey spectra of coatings fabricated by CNTs and PU with/without perfluoroalkyl modification. a) Both CNTs and PU with perfluoroalkyl modification; b) only PU with perfluoroalkyl modification; c) only CNT with perfluoroalkyl modification. The inset is the surface F atomic concentration of the three coatings measured by XPS.

Movie S1 Demonstration of movement of water droplets on thin coating fabricated on A4 paper.

Movie S2 Demonstration of movement of CH_2I_2 droplet on coating fabricated on cotton fabric.