

Supporting Information

Robust multifunctional fluorine-free superhydrophobic fabrics for high-efficiency oil-water separation with ultrahigh flux

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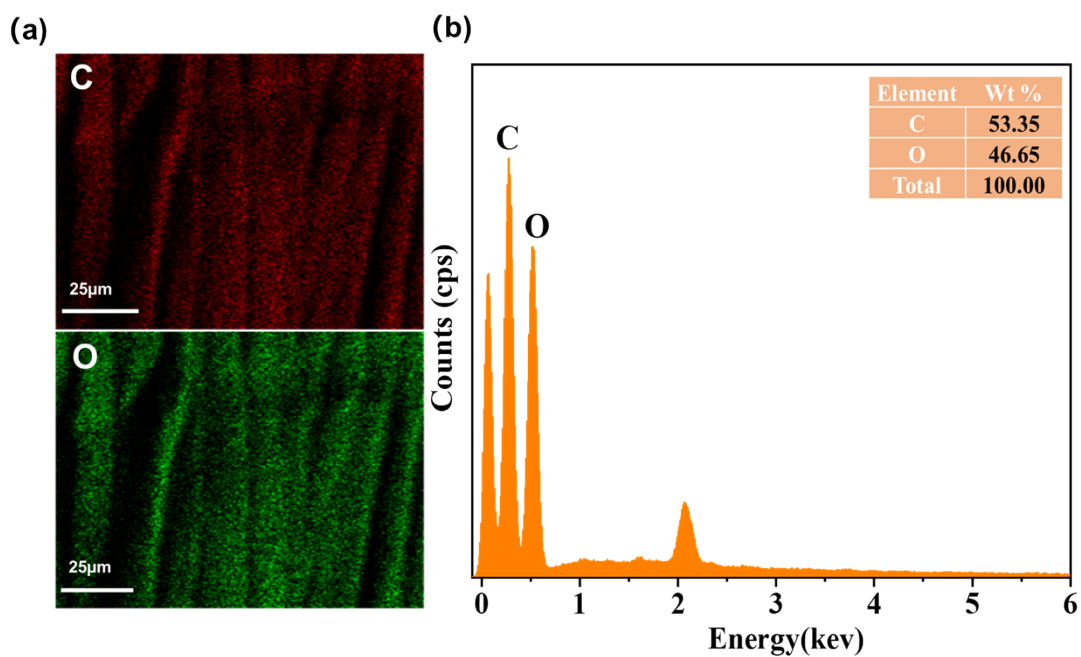


Figure S1. EDS element mapping images (a) and curve of pristine cotton fabric (b).

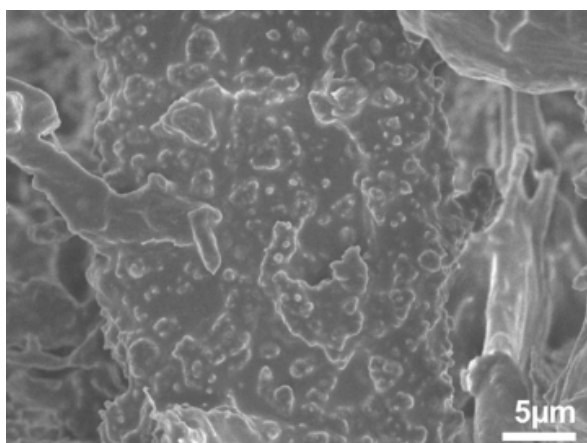


Figure S2. SEM image of the SiO₂-TiO₂/PDMS-coated fabric after the abrasion test of 30 cycles with the 800 mesh sandpaper.

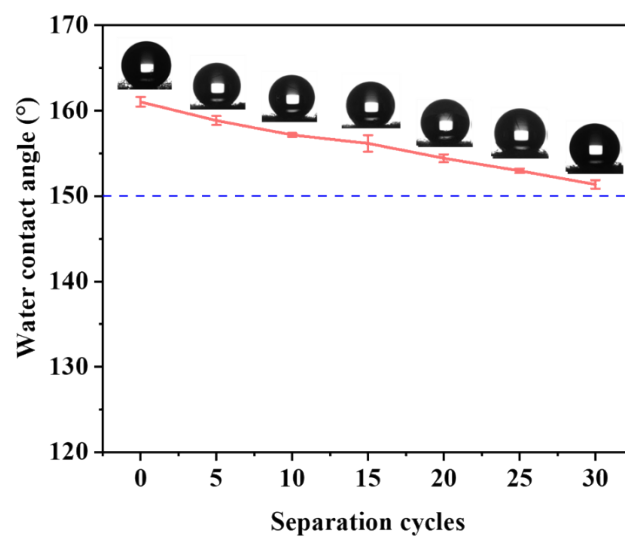


Figure S3. Water contact angle variations of the SiO₂-TiO₂/PDMS-coated superhydrophobic cotton fabric in different dichloromethane–water separation cycles.

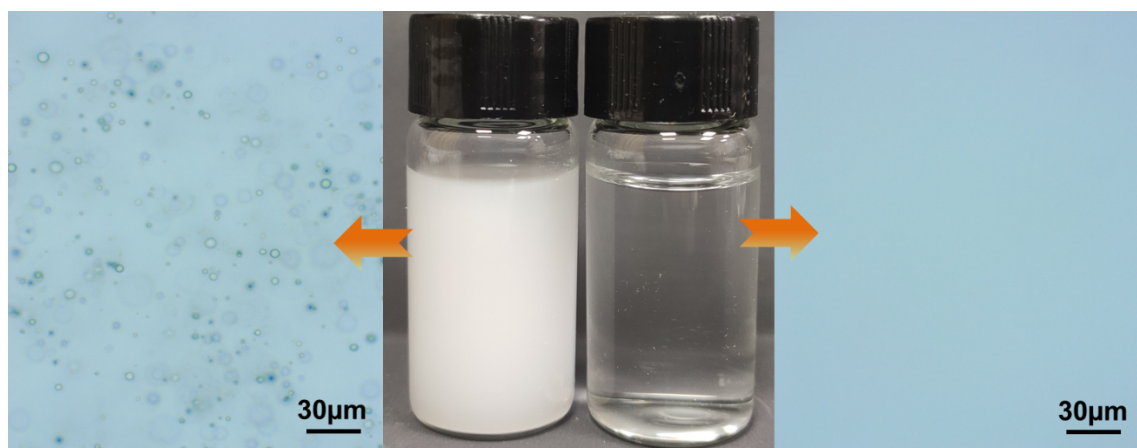


Figure S4. Optical microscopic images and digital images toluene-water before and after separation of the emulsion.

Video S1. Oil-water separation.