

# Electronic Supplementary Material

## Highly hydrophobic oil-water separation membrane: reutilization of waste reverse osmosis membrane

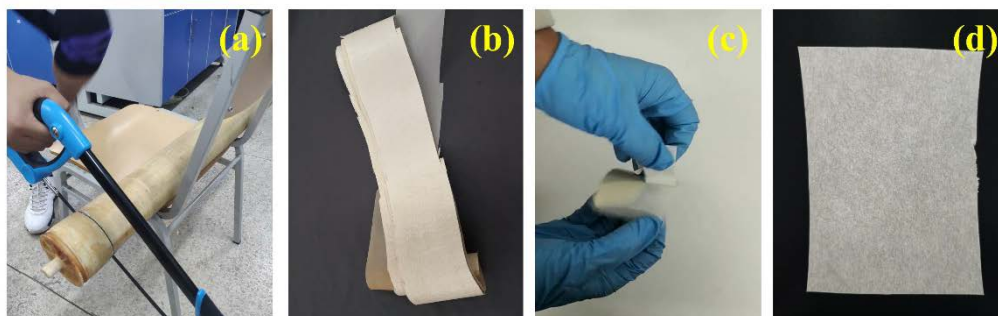
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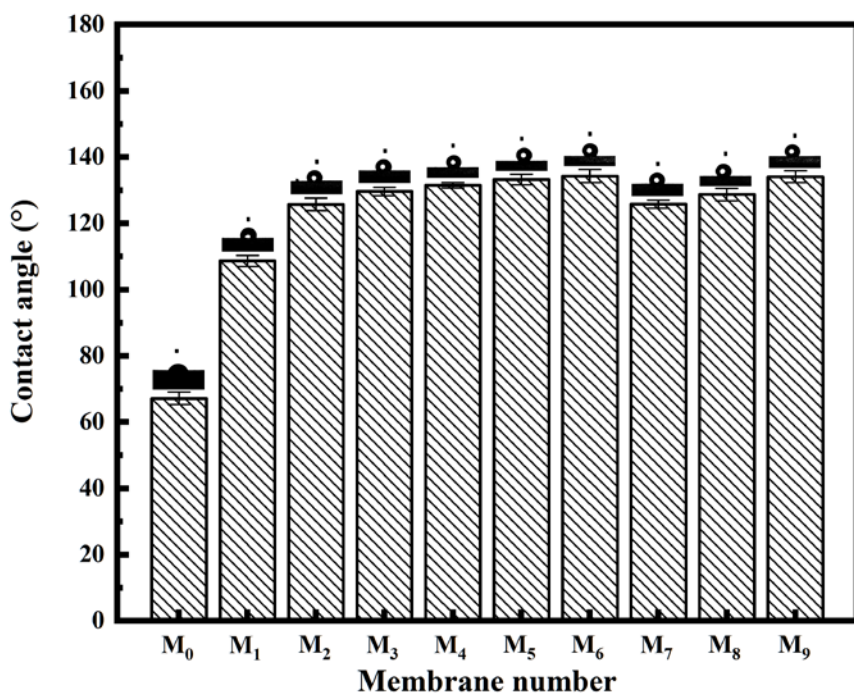
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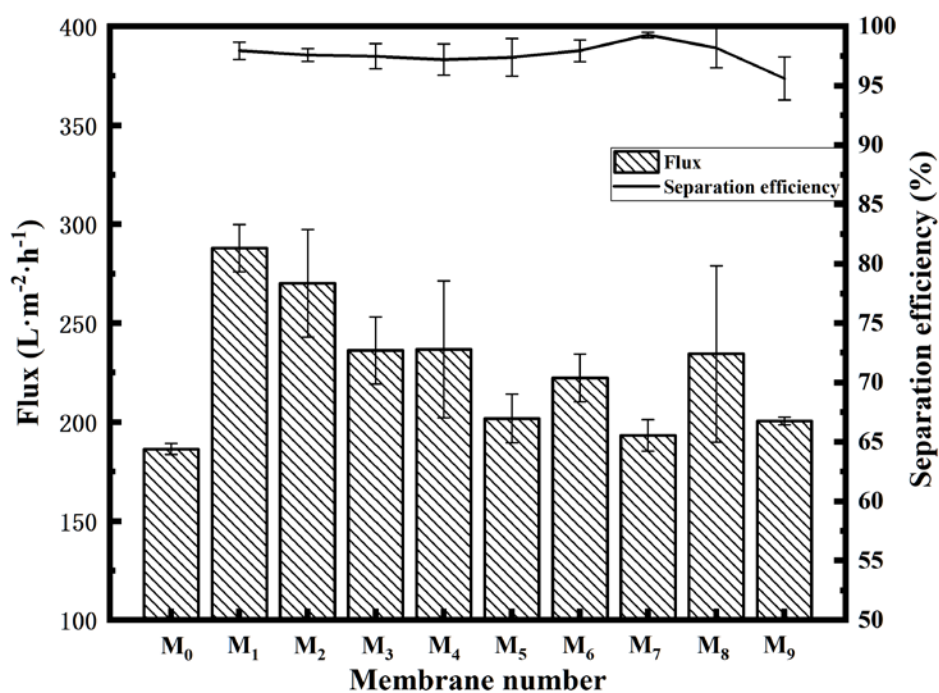
### SUPPORTING INFORMATION



**Fig. S1** Pictures taken during anatomic sampling of the wasted reverse osmosis membrane: (a) cutting waste reverse osmosis membrane; (b) a portion of the wasted reverse osmosis membrane after anatomic; (c) peel off the functional layer from the non-woven fabric base; (d) obtained the non-woven fabric base of wasted reverse osmosis membrane.



**Fig. S2** Contact angle of M<sub>0</sub> and modified membranes.



**Fig. S3** Carbon tetrachloride flux and carbon tetrachloride/water system separation efficiency of M<sub>0</sub> and modified membranes.