

Supporting Information

Photo-Fenton self-cleaning membranes with robust flux recovery for efficient oil/water emulsions separation

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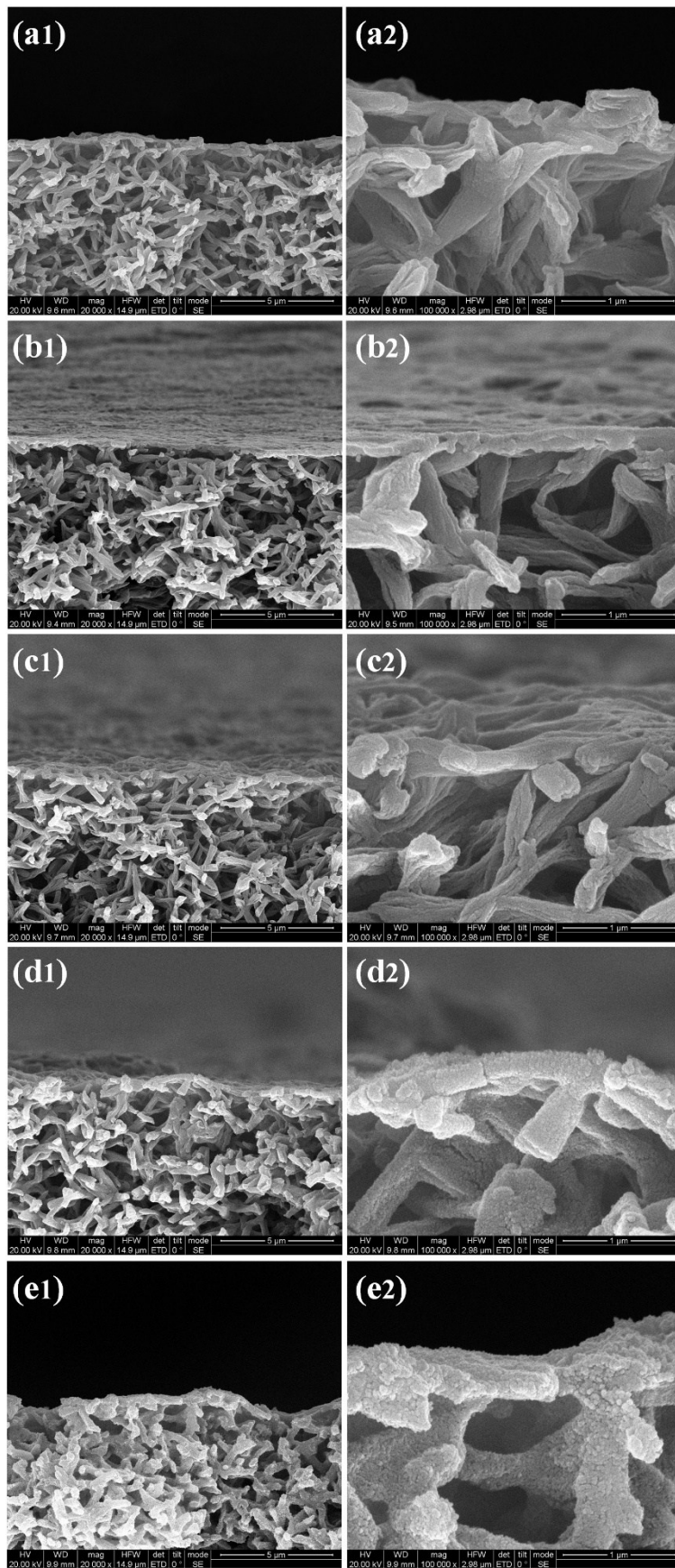


Fig. S1 The cross-sectional SEM images of pristine PVDF (a), PVDF/TA-Fe(III) (b), PVDF/TA/ β -FeOOH_x membranes (c-e)

Table S1 Summary of the properties of the oils

Composition	Viscosity of oils (mPa s ⁻¹)	Density (g cm ⁻³)	Surface tension (mN m ⁻¹)
Toluene	0.59	0.866	28.53
n-hexane	0.33	0.66	18.4
Petroleum ether	0.3	0.66	18.8
Soybean oil ^a	50.09	0.916-0.922	27.6
1,2-dichloroethane ^a	0.84	1.245	32.2

^aData from the US National Library of Medicine Hazardous Substance Data Bank (<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>).