Supplementary data

One-step fabrication of stretchable and anti-oil-fouling nanofiber membrane for solar steam generation

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Fig. S1. Wicking measurements of PDA@CNT/PU nanofiber membrane in oil layer on water and oil-in-water emulsion.



Fig. S2. Digital photograph of fabricated device for solar steam generation test.



Fig. S3. IR images of PU nanofiber membrane on water, and PDA@CNT/PU nanofiber membrane on water, water with oil layer and oil-in-water emulsion before 1 sun illumination.



Fig. S4. Light absorption spectrum of PDA@CNT/PU nanofiber membrane.



Fig. S5. Evaporation rate of PDA@CNT/PU nanofiber membrane under cycle numbers of test.



Fig. S6. Resistance of PDA@CNT/PU nanofiber membrane under different strain.



Fig. S7. Resistance of PDA@CNT/PU nanofiber membrane after different uniaxial stretching cycle under strain of 100%.