Supplementary Material

Nonpolar cross-stacked super-aligned carbon nanotube membrane for efficient wastewater treatment

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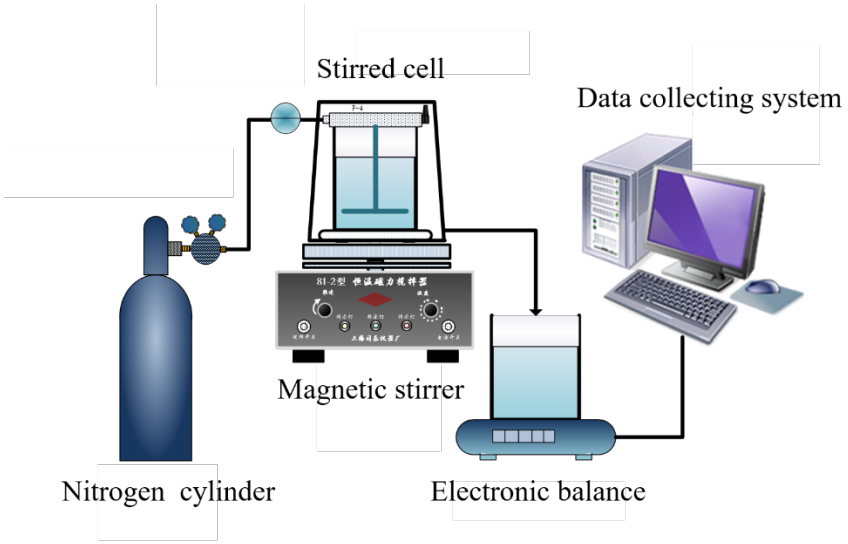

Fig. S1. Setup diagram of the semi-dead-end filtration system.

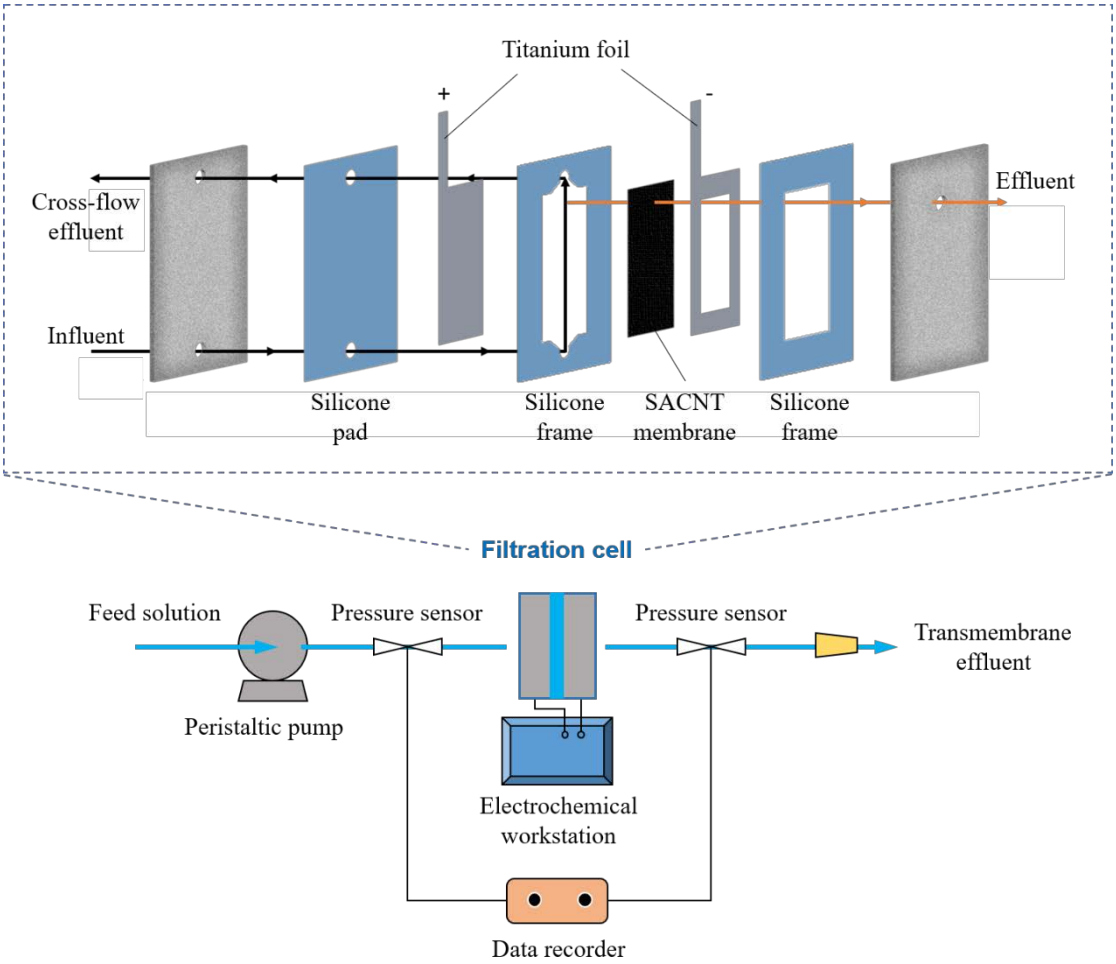

Fig. S2. Configuration of the electrically-enhanced cross-flow filtration system used for the tests of the electro-assistant antifouling performance of the super-aligned carbon nanotube (SACNT) membrane.

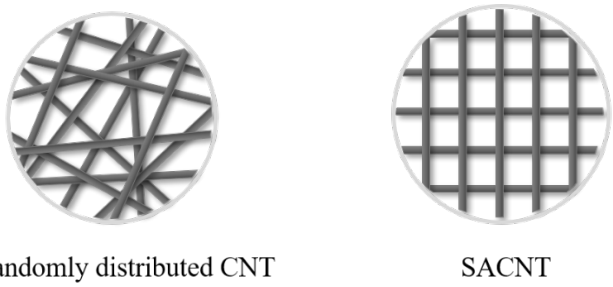

Fig. S3. Schematic diagram illustrating the difference in terms of microscopical structure between a conventional randomly deposited CNT membrane and the SACNT membrane.

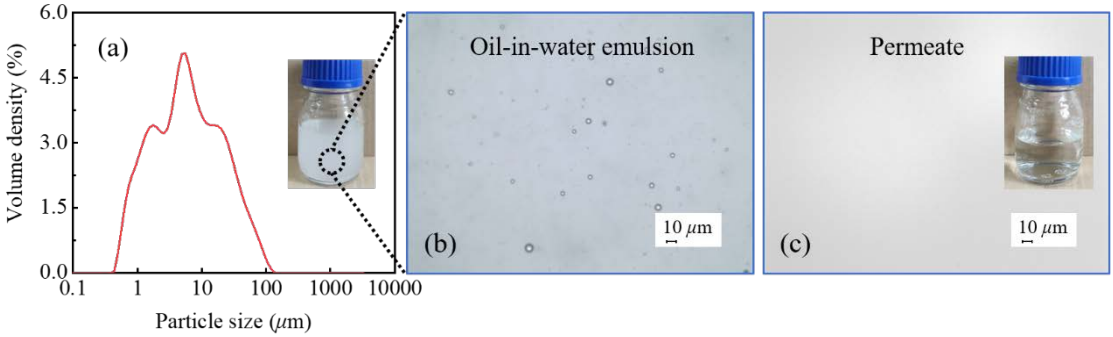

Fig. S4. (a) Measured size distribution of the oil particles in the oil-in water emulsion. (b) A typical microphotograph of the oil-in water emulsion. (c) A typical microphotograph of the permeate after the filtration with the SACNT_200 membrane.