

Electronic supplementary information

Biocatalytic Janus membranes for CO₂ removal utilizing carbonic anhydrase

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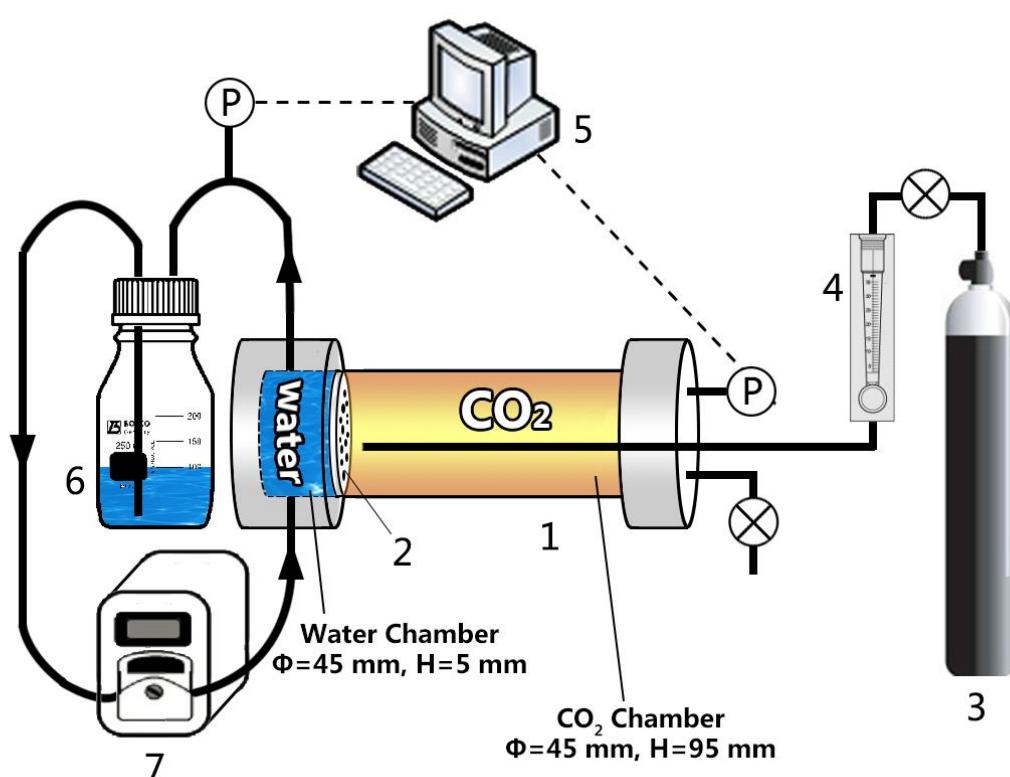


Figure SI-1. Schematic diagram of the membrane CO₂ hydration system. (1) membrane cell; (2) composite membrane; (3) gas cylinder; (4) gas flow meter; (5) computer; (6) liquid bottle; (7) peristaltic pump.

Table SI-1. Theoretical and actual CNTs loading on the coated membrane

CNTs loading (mg)	Theoretical loading (wt %)	Actual loading (wt %)
5	3.9	3.6 ± 0.4
12.5	9.3	9.5 ± 0.5
25	17.0	16.3 ± 0.8