Electronic Supplementary Material

Surface engineering with ionic polymers on membranes for boron removal

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Table S1. The dosage and ratio of monomers (PDA-SBMA) for membrane coating

Membrane code	Ratio of dopamine to SBMA	Component/(mg·ml^{-1})	
		Dopamine	SBMA
PDA13-SBMA250	1:20	1.3	25
PDA13-SBMA500	1:40	1.3	50
PDA13-SBMA1000	1:80	1.3	100

Table S2. Atomic percentage obtained through the chemical structures of the polymers.

	C 1s	N 1s	O 1s	S 2p	O/C ratio
Polyamide	73.68	10.53	15.79	-	0.21
PSS	66.67	-	25.00	8.33	0.38
PDA	72.73	9.09	18.18	-	0.25

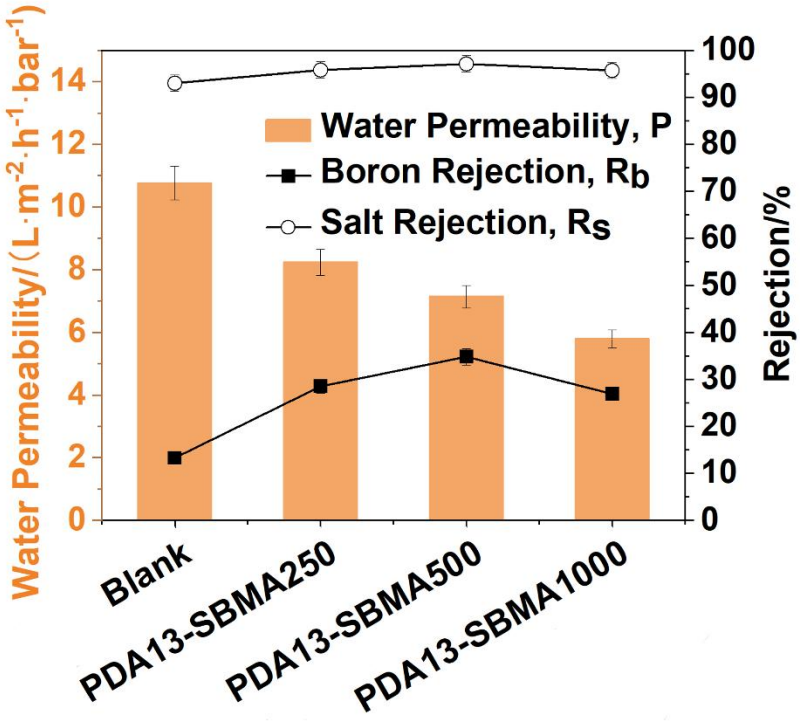

Figure S1. Separation performance of membranes coated with PDA-SBMA

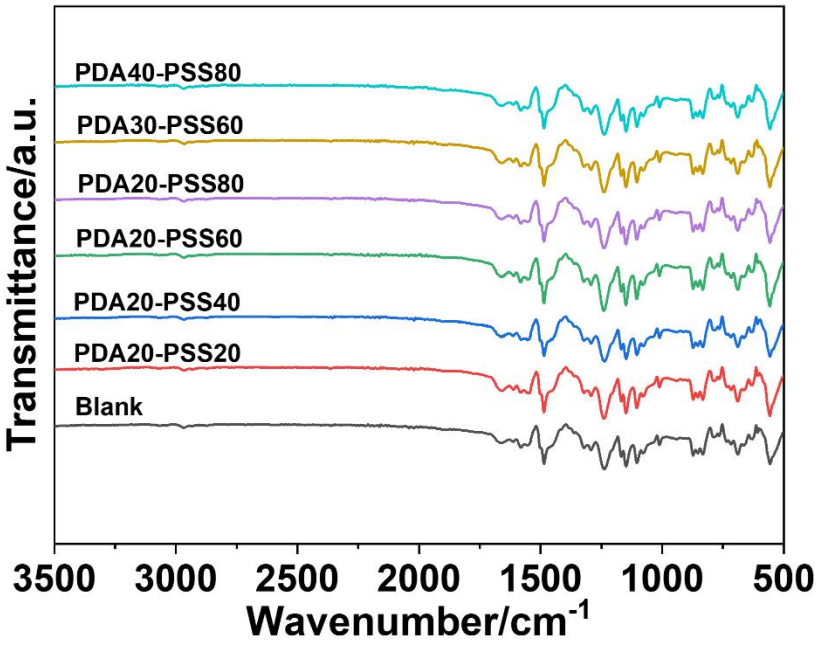

Figure S2. FT-IR spectra of PDA-PSS coated membranes.