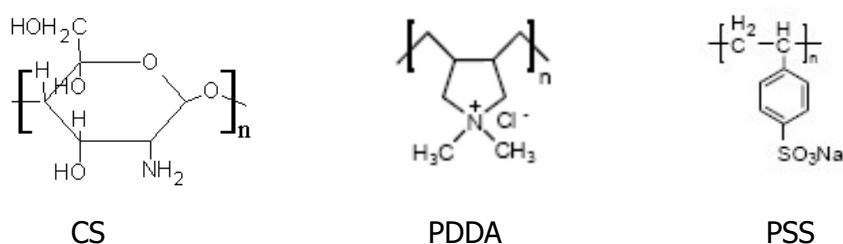


Supporting Information

Modification of polyamide-urethane (PAUt) thin film composite membrane for improving the reverse osmosis performance

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Scheme 1 Chemical structure of the used polyelectrolytes

Table 1 Elemental composition of the used polyelectrolytes

Polyelectrolyte	C%	O%	N%	C/N	C/O	O/N
CS	48.02	42.64	9.34	5.14	1.12	4.57
PDDA	87.28	0	12.72	6.86	/	0
PSS	54.54	27.25	0	/	2.00	/

Table S2 Composition of the West Lake water after microfiltration

Species	Quantity
K ⁺ and Na ⁺ , mg/l	12.0
Ca ²⁺ , mg/l	30.8
Mg ²⁺ , mg/l	2.3
Fe _(Total) , mg/l	0.03

HCO ₃ ⁻ , mg/l	79.6
Cl ⁻ , mg/l	20.0
SO ₄ ²⁻ , mg/l	18.4
HA , mg/l	<5
NO ₂ ⁻ , mg/l	10.8
SiO ₂ , mg/l	8.0
Turbidity, NTU	0.8
COD _(Mn) , mg/l	4.3
Bacteria, CFU/ml	<150
