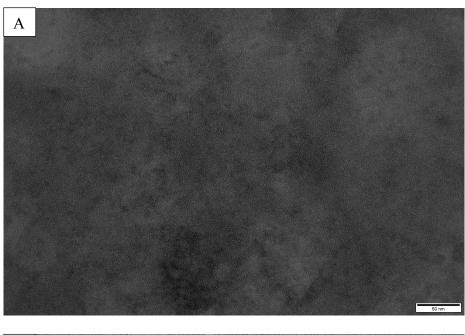
Supporting Information

Cationic ether-free poly(bis-alkylimidazolium) ionenes blend polybenzimidazole as anion exchange membranes

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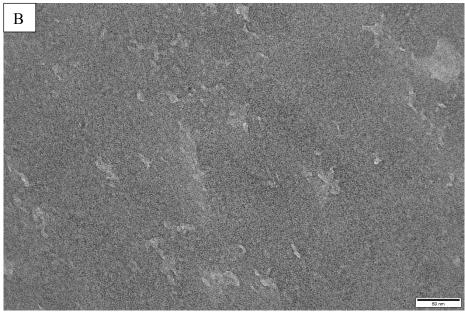


Figure S1 TME of PBulm-37%/PBI and PBnlm-95%/PBI membranes

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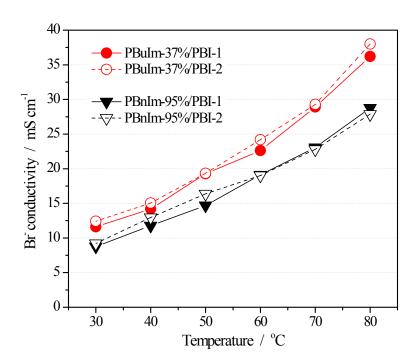


Figure S2 Conductivities of PBulm-37%/PBI and PBnlm-95%/PBI membranes in Br form as a function of temperature. (1) The membranes in Br form prepared by solution-casting; (2) the membranes in Br form prepared by exchanging the membranes in OH form after conductivity measurement to bromide form

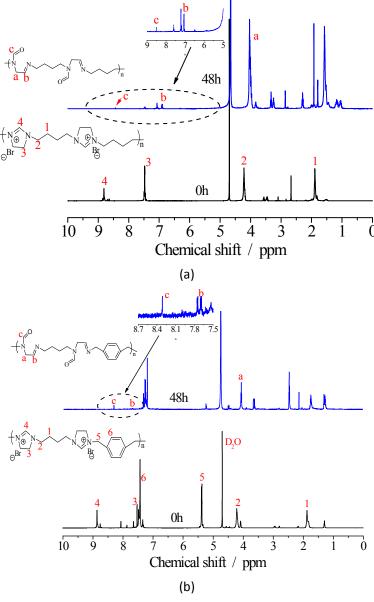


Fig. S3 1 H NMR spectra of PBnIm (a) and PBuIm (b) after soaking in 1 mol L 1 NaOD/D $_2$ O for 48 h.