

Supplementary Information

Enhancement of hydroxide conductivity by grafting flexible pendant imidazolium groups into poly(arylene ether sulfone) as anion exchange membranes

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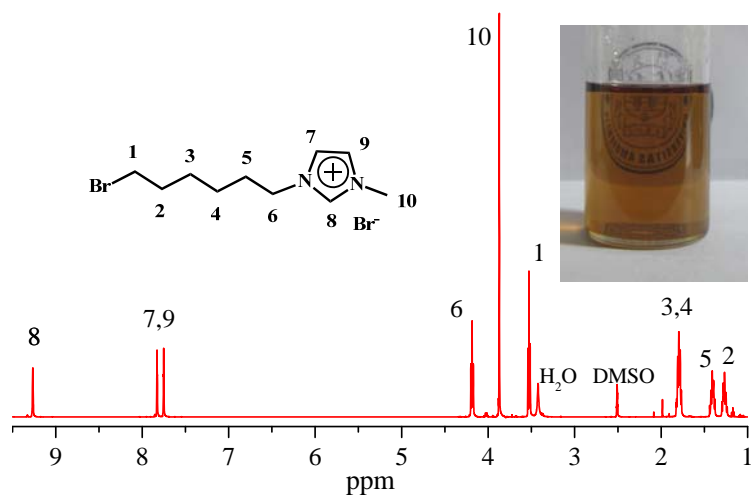


Fig. S1 The ^1H NMR spectra and the digital photo of 6BrIm.

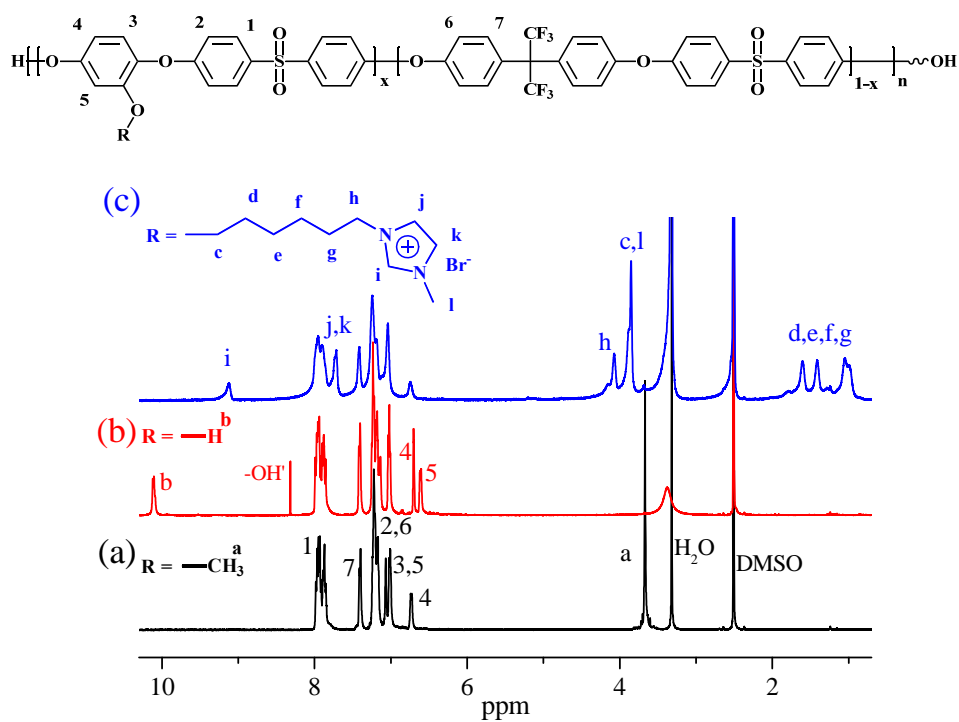


Fig. S2 The ^1H NMR spectra of (a) MPES-0.7, (b) HPES-0.7 and (c) ImPES-0.7.

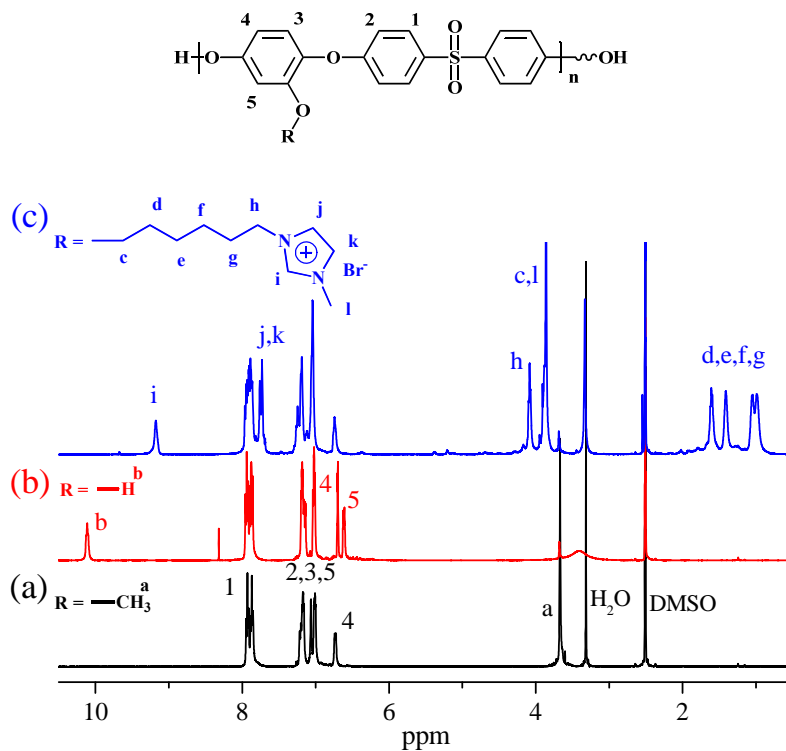


Fig. S3 The ^1H NMR spectra of (a) MPES-1.0, (b) HPES-1.0 and (c) ImPES-1.0.

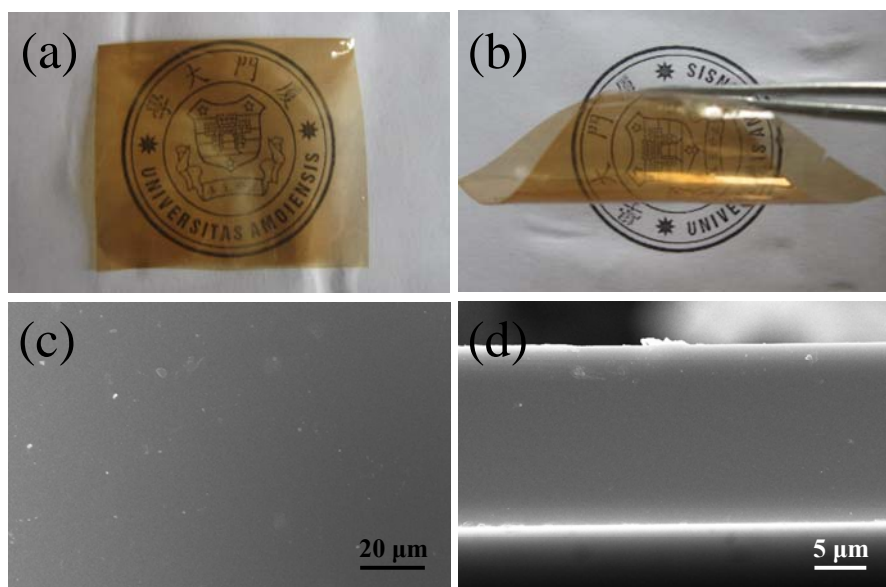


Fig. S4 Image of the ImPES-0.85 membrane: (a, b) digital photo and SEM, (c) top-surface, and (d) cross-section.