## **Supporting Information**

## High performance sulfonated poly(arylene ether phosphine oxide)s membranes by self-protected crosslinking for fuel cells

Lingchao Fu, Guyu Xiao\* and Deyue Yan

College of Chemistry and Chemical Engineering, State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, 800 Dongchuan Road, Shanghai 200240, PR China

Fig. S1. <sup>13</sup>C and dept135 NMR spectra of PAEPO and sPAEPO-57.5.

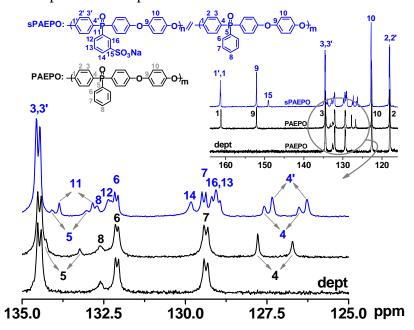
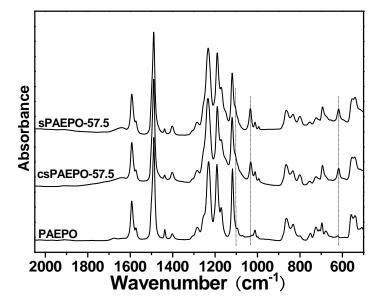


Fig. S2. FT-IR spectra of PAEPO, sPAEPO-57.5 and csPAEPO-57.5.



<sup>\*</sup> Corresponding author. E-mail: gyxiao@sjtu.edu.cn

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