Electronic Supplementary Information for

Sulfonated Graphene oxide-silica for Highly Selective Nafion-based Proton Exchange Membranes

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Supporting results:

1.

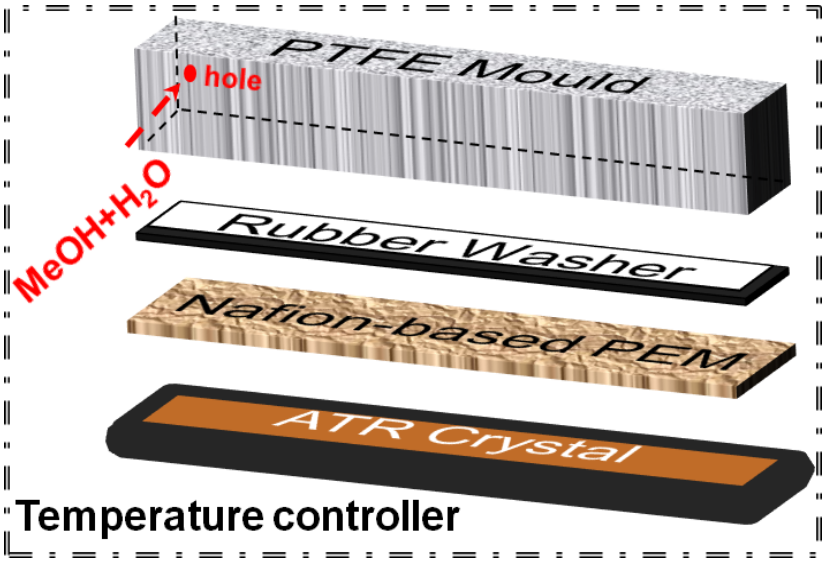

Fig. S1 Schematic illustration of the home-made equipment used to characterize the methanol permeability of the recast Nafion membrane and the S-GO-SiO_2/Nafion composite membranes.[1]

2.

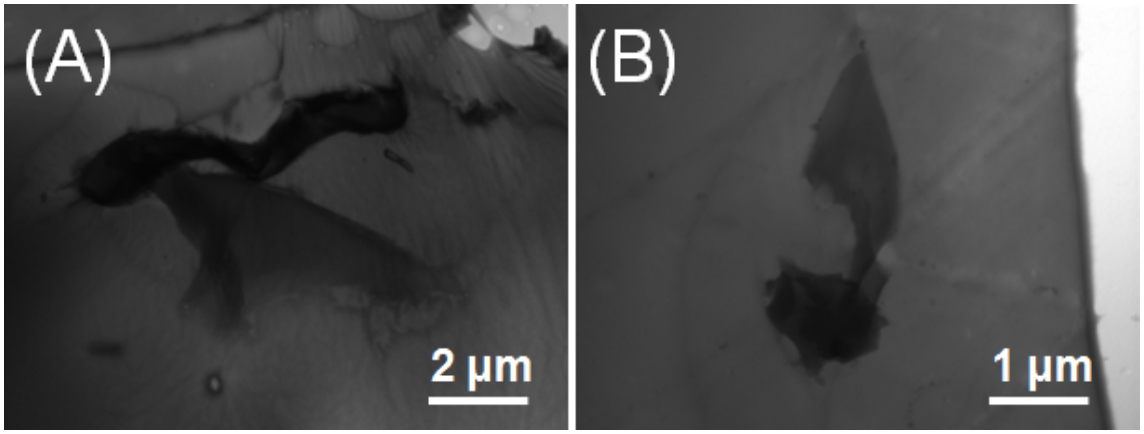

Fig. S2 Cross-sectional TEM images of the 0.5 wt% S-GO- SiO_2/Nafion composite membrane.

3.

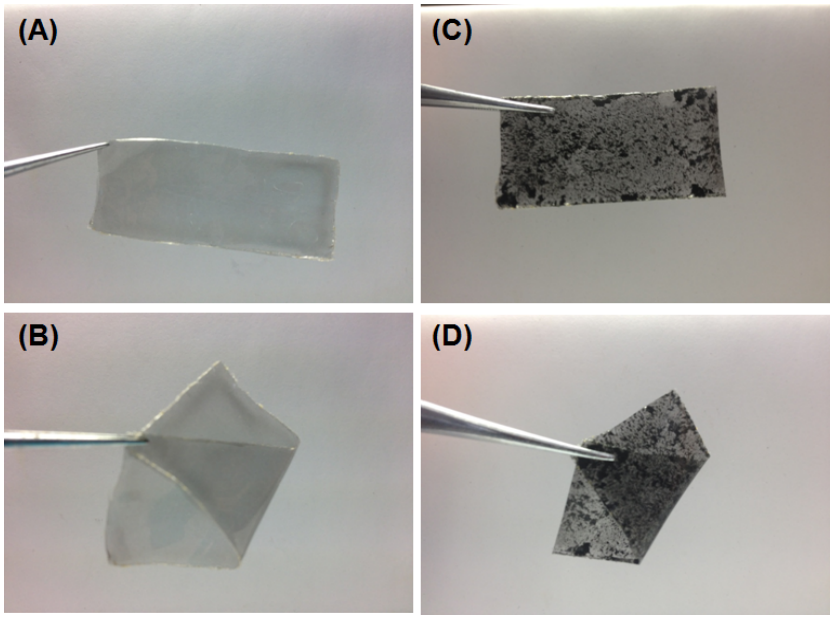

Fig. S3 Digital photos of the 0.1 wt% S-GO-SiO_2/Nafion (A)-(B) and the 0.8 wt% S-GO-SiO_2/Nafion (C)-(D) composite membranes.

References:

1 K. Feng, B. B. Tang, P. Y. Wu, *ACS Appl. Mater. Interfaces*, 2013, **5**, 13042-13049.