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Supporting Information

Nanohybrid membranes with hydroxide ion transport highways constructed

from imidazolium-functionalized graphene oxide

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Fig. S1. XRD patterns of CS control and nanohybrid membranes.

Fig. S2. (a) TGA curves of CS/C_{10} -ImGO-X under a nitrogen atmosphere, and (b) stress-strain curves of CS/C_4 -ImGO-X.

Fig. S3. (a) Temperature-dependent conductivity of (a) CS/GO-X, (b) CS/C₄-ImGO-X,

(c) CS/C₁₀-ImGO-X, and (d) CS/B-ImGO-X under 100% RH.



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