Supporting Information

Effect of Pt and Ionomer Distribution on Polymer Electrolyte Fuel Cell Performance and Durability

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Figure S1. (a) Pore size distribution of CB supports with enlarged scale of the y-axis. (b) Pore size distribution of catalysts with enlarged scale of the y-axis.



Figure S2. Change of the nanopore cumulative volume of the CB supports after Pt loading calculated by the QSDFT analysis of (a) V1 and Pt/V1, (b) K4 and Pt/K4, (c) K8 and PtK8 and (d) K13 and Pt/K13. Change of the pore size distribution of the CB supports after Pt loading calculated by the QSDFT analysis of (e) V1 and Pt/V1, (f) K4 and Pt/K4, (g) K8 and PtK8 and (h) K13 and Pt/K13.



Figure S3. Isotherms with different I/C for each cathode catalyst measured by the N_2 gas adsorption measurement.