

Supplementary Information

Hybrid Carbon Supports Composed of Small Reduced Graphene Oxide and Carbon Nanotubes for Durable Oxygen Reduction Catalysts in Proton Exchange Membrane Fuel Cells

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SUPPLEMENTARY FIGURES

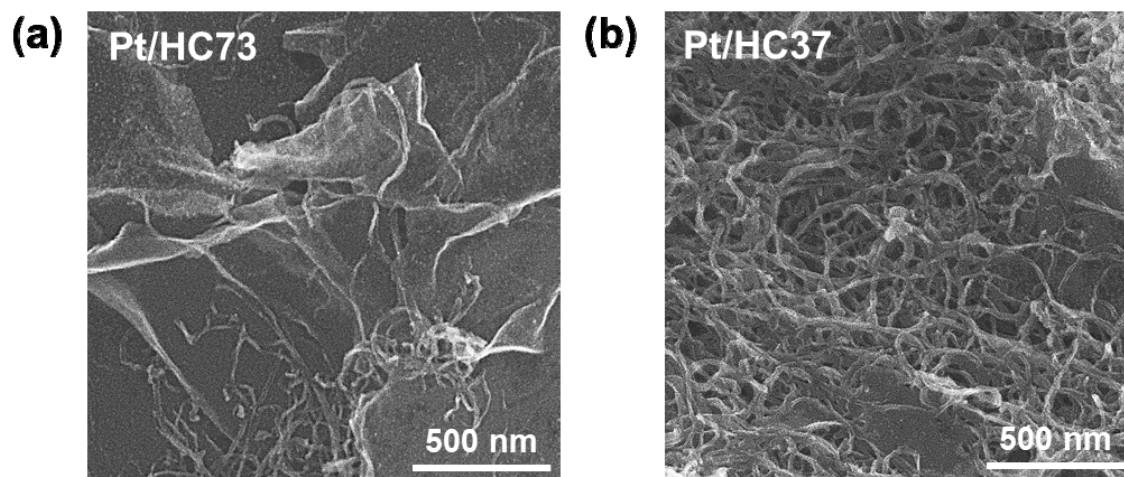


Figure S1. Scanning electron microscopy (SEM) images of the synthesized (a) Pt/HC73 and (b) Pt/HC37.

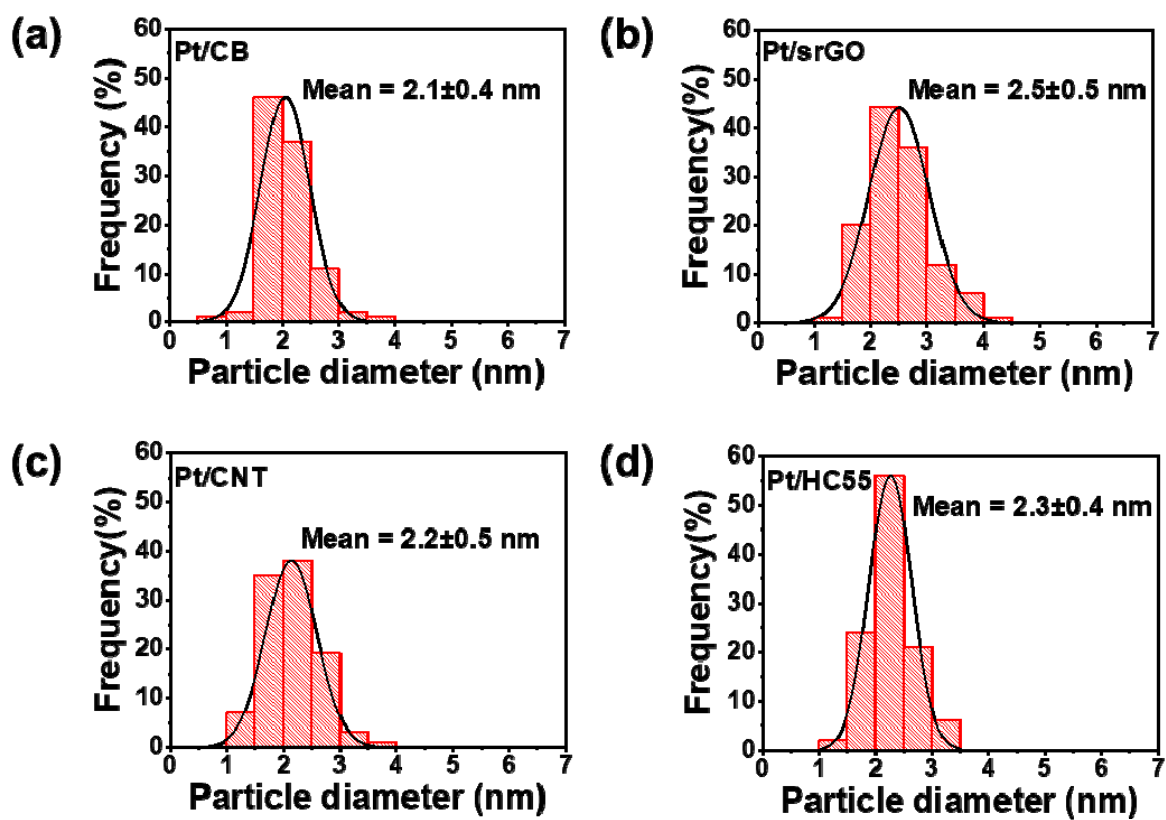


Figure S2. Pt particle size distribution histograms of (a) Pt/CB, (b) Pt/srGO, (c) Pt/CNT and (d) Pt/HC55.

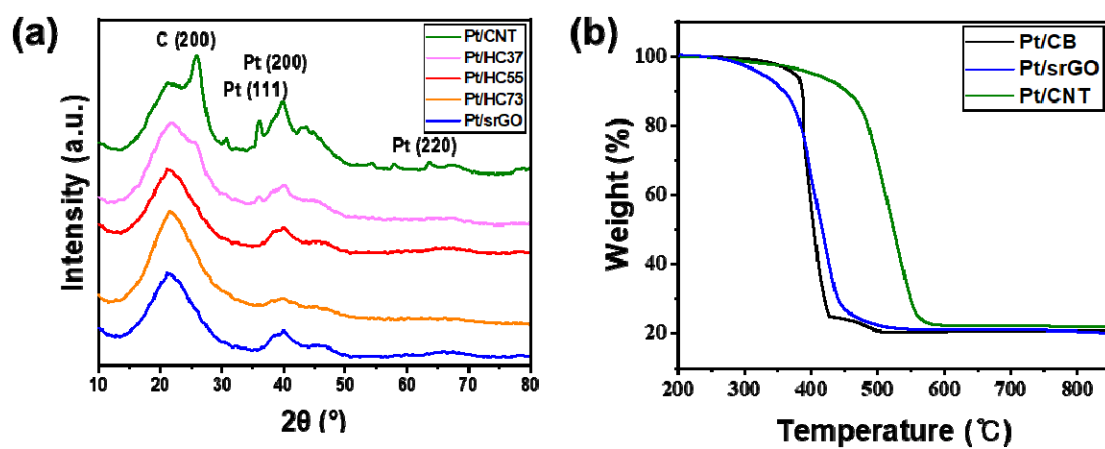


Figure S3. (a) X-ray diffraction patterns and (b) Thermogravimetric analysis (TGA) curves of the synthesized catalysts.

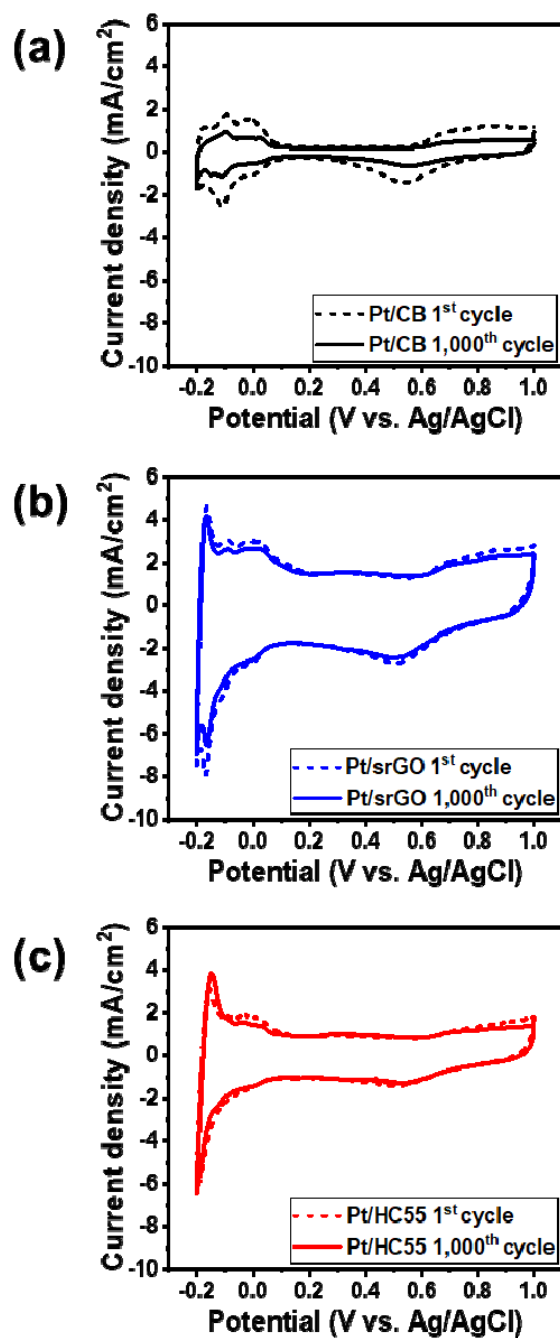


Figure S4. Cyclic voltammetry curves of (a) Pt/CB, (b) Pt/srGO, and (c) Pt/HC55 before and after the 1,000 cycles of accelerated durability tests in N₂-saturated 0.5 M H₂SO₄ at a scan rate of 50 mV/s.