

Supplementary data

In situ Construction of Poly-3,4-Ethylenedioxythiophene Skeleton on Carbon Nanotubes to Improve Long-term Stability for Oxygen Reduction Reaction

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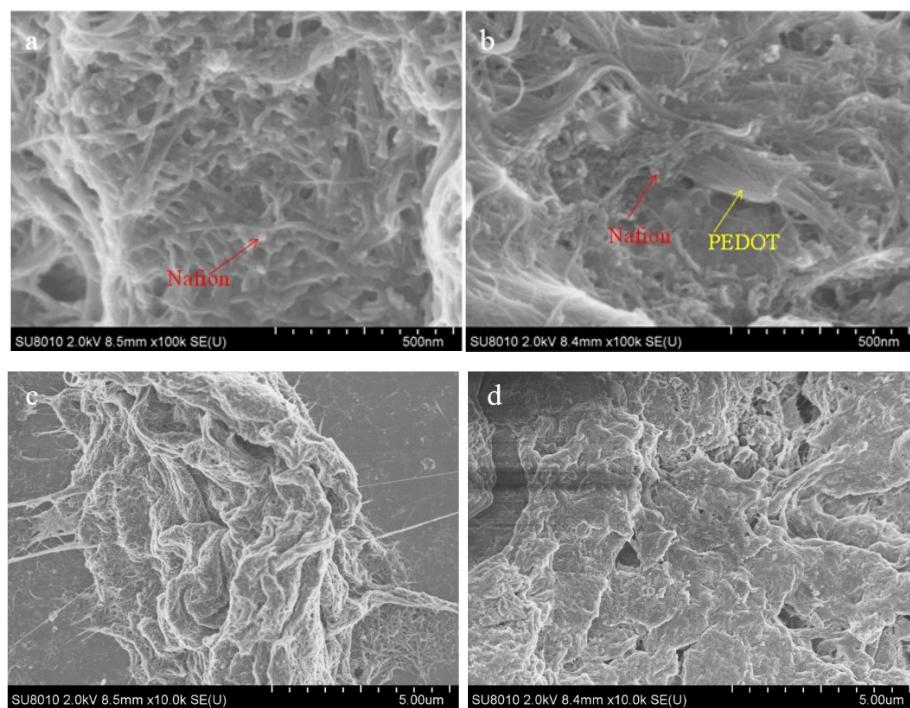


Fig.S1. SEM images ($\times 100K$) of (a) SWNTs and (b)SWNTs@PEDOT contain Nafion, and SEM images ($\times 10K$) of (c) SWNTs and (d)SWNTs@PEDOT contain Nafion

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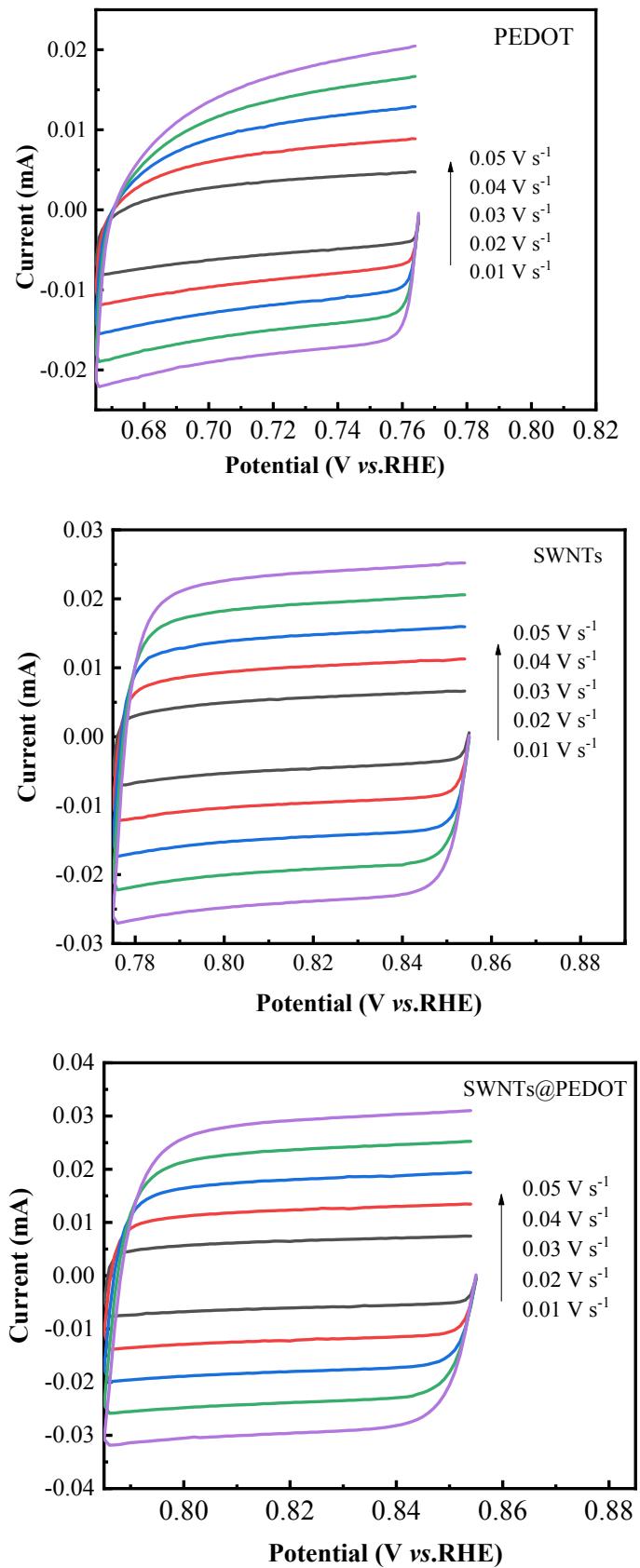


Fig.S2. The CV curves at non-faradic region with the scan rate of

10, 20, 30, 40, 50 mV s⁻¹ of PEDOT, SWNTs and SWNTs@PEDOT catalysts.

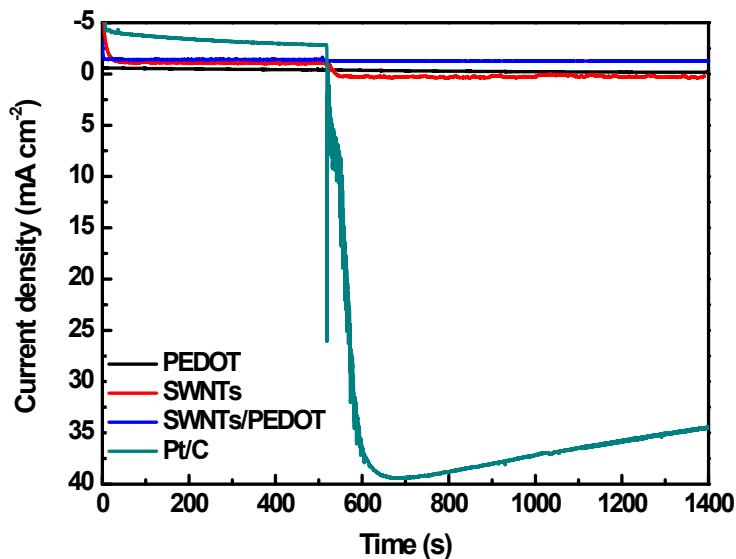


Fig.S3. The chronoamperometric curves for anti-borohydride tolerance of various catalysts(constant potential: 0.7 V vs. RHE, O₂-saturated 0.1 M KOH solution).