## **Supporting information**

## Iron encapsulated nitrogen and sulfur co-doped few layer graphene as non-precious ORR catalyst for PEMFC application

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Fig. S1: Fe precursor containing PANI coated PSS-GO.



Fig. S2: HRTEM image of NSG sheets within Fe-NSG sample.



Fig. S3: PEMFC single cell performance of commercial Pt/C as cathode and anode electrocatalyst at the temperature 80 °C and 20 psi back pressure.