Supporting Information

Incorporated Oxygen in MoS_2 Ultrathin Nanosheets for Efficient ORR Catalysis

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Figure S1. Photograph of ultrathin MoS_2 nanosheets.

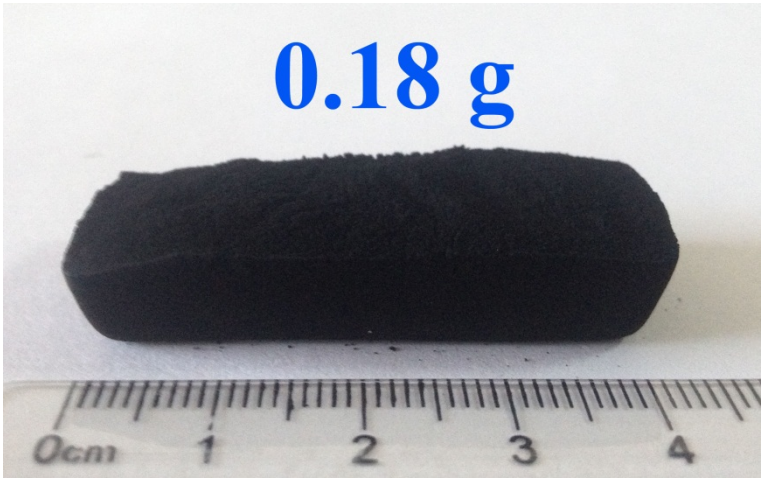
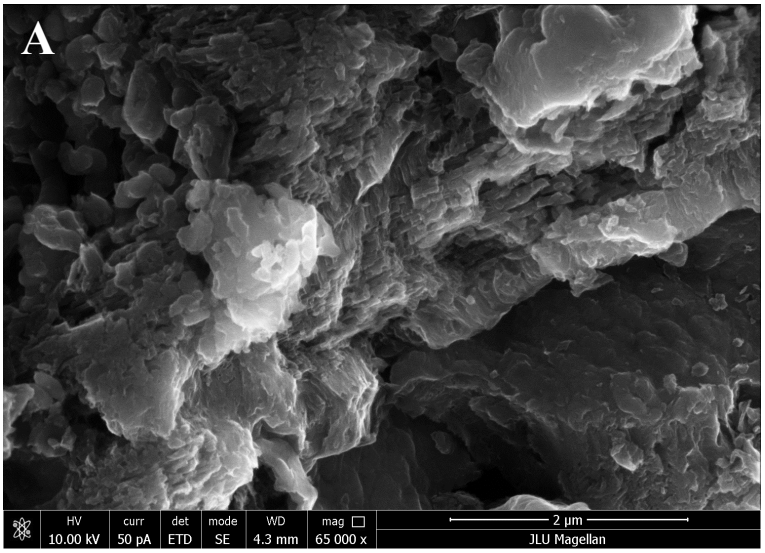


Figure S2. SEM and TEM images of C_3N_4 template.



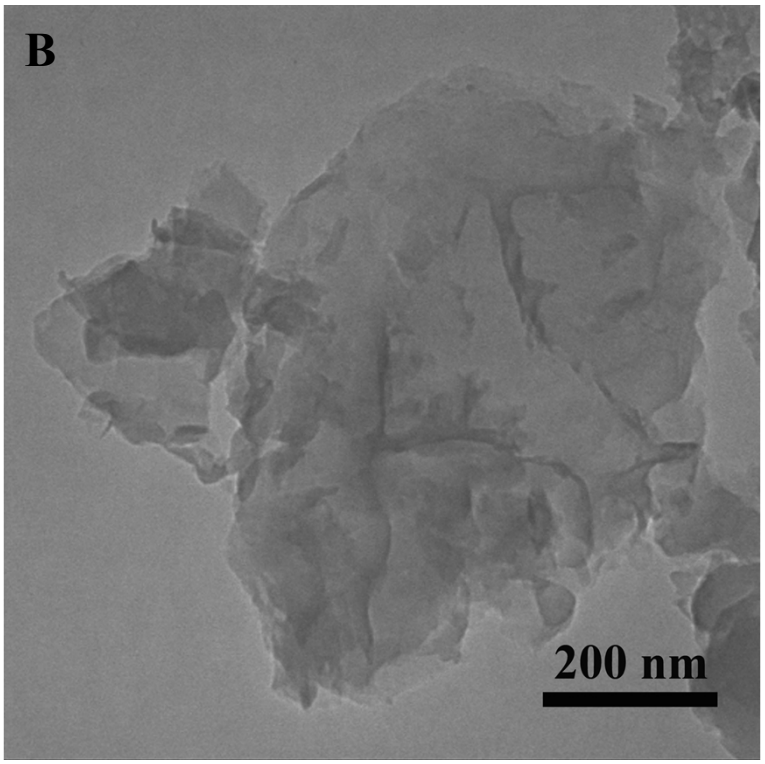


Figure S3. TEM image and mapping analysis of MoS_2 nanosheets.

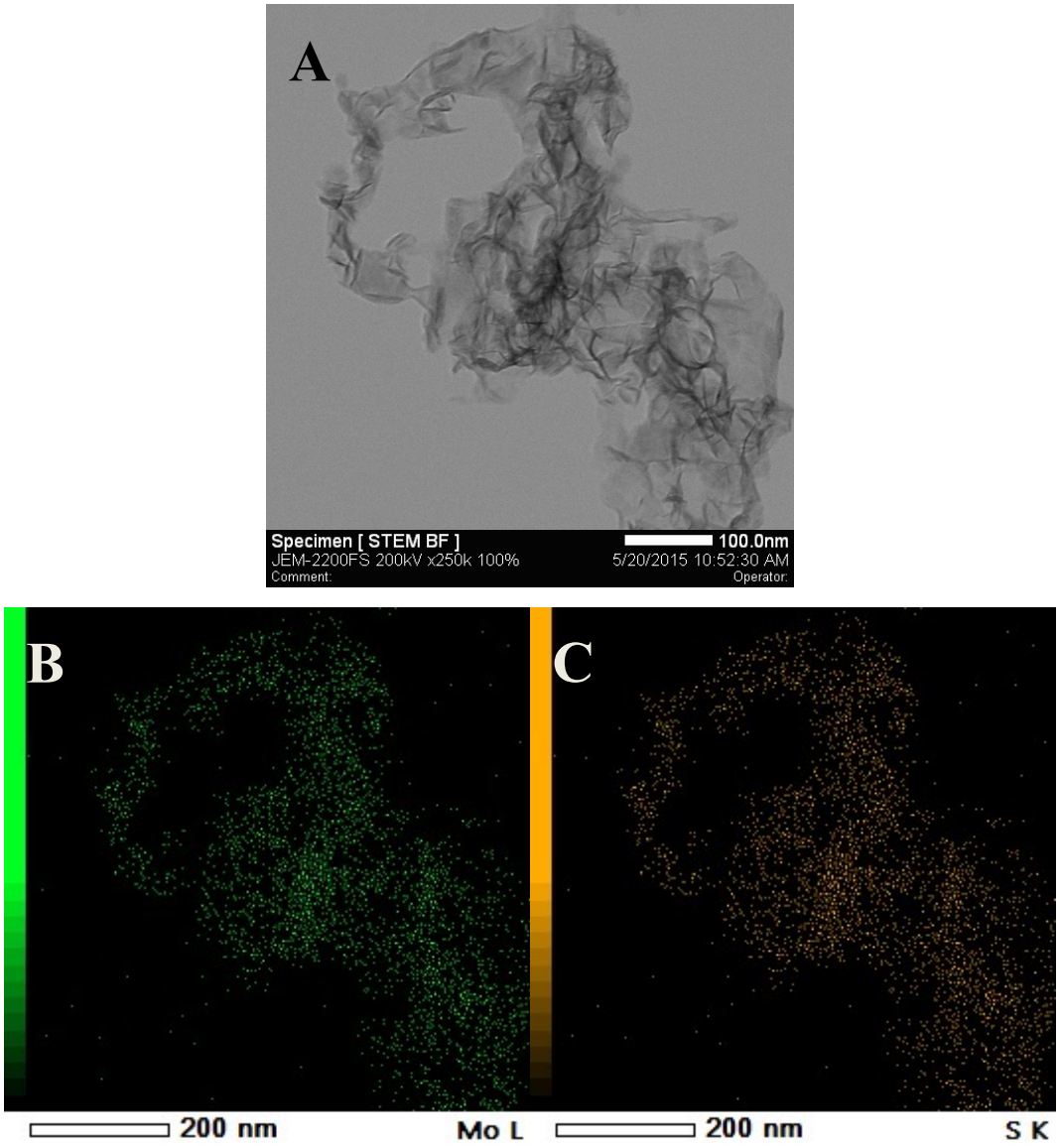


Figure S4. XPS spectra for MoS_2 nanosheets.

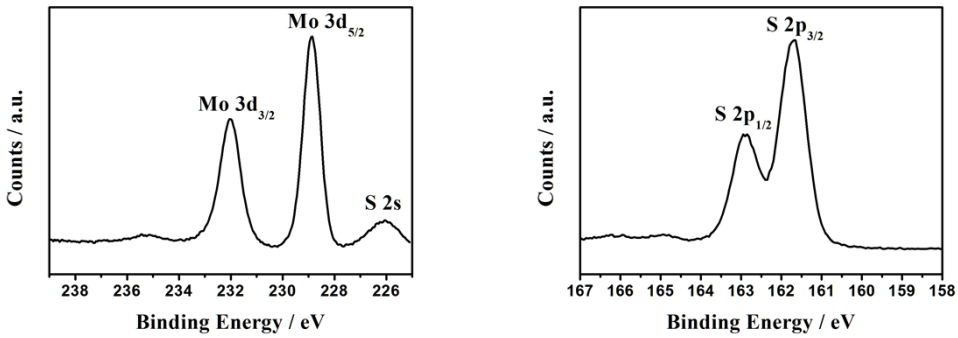


Figure S5. CVs of various MoS_2 samples and commercial 20% Pt/C catalyst in N_2- (black) and O_2- (red) saturated electrolyte.

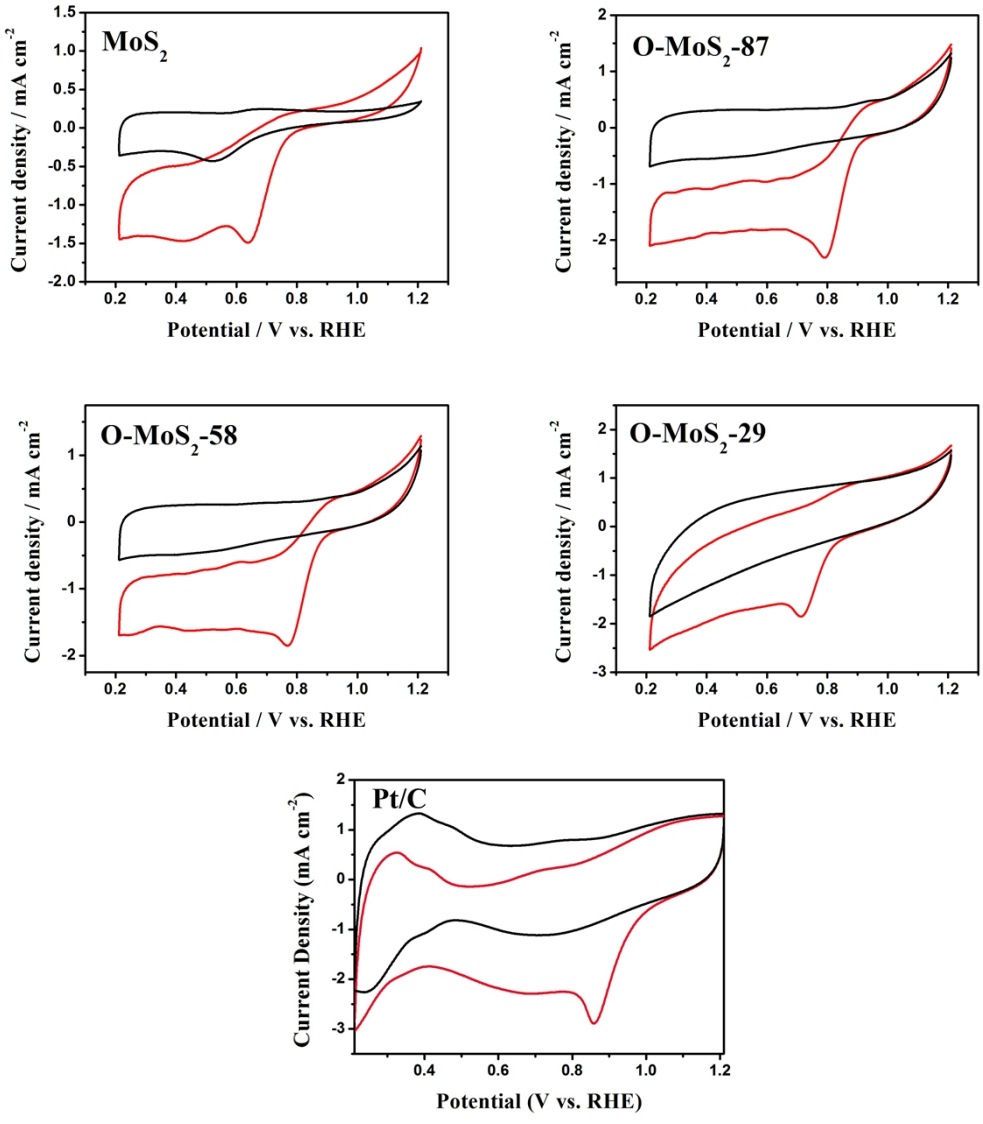


Figure S6. RDE LSVs and Koutecky–Levich plots of MoS_2 ultrathin nanosheets in O_2-saturated 0.1 M KOH.

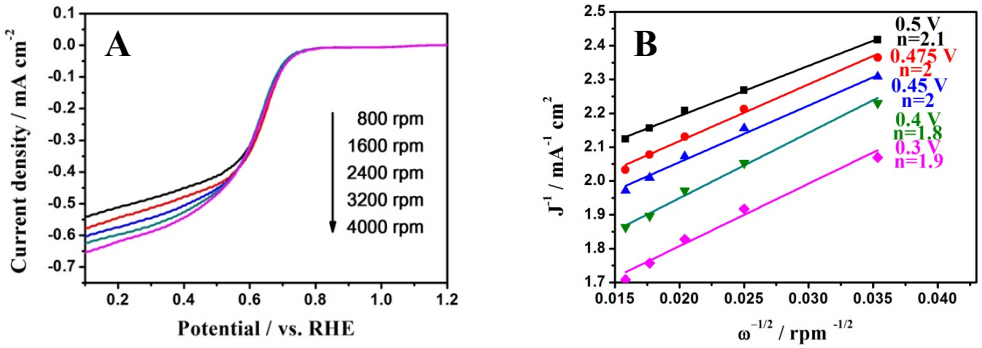


Figure S7. **(A)** RDE LSVs and (B) Koutecky–Levich plots of 20% Pt/C in O_2-saturated 0.1 M KOH.

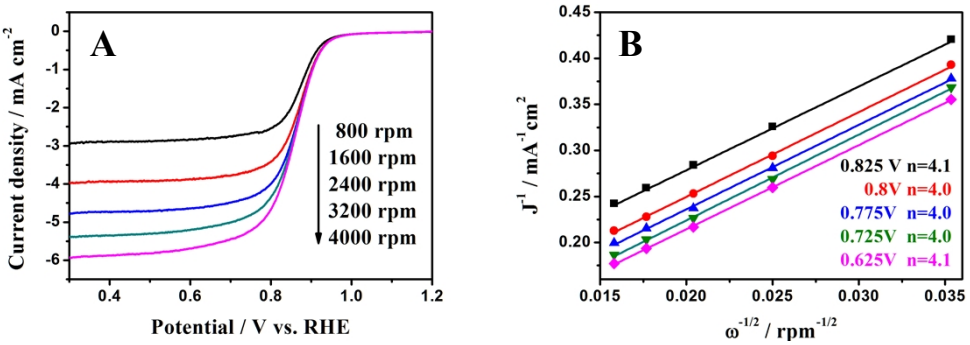


Figure S8. Electrochemical impedance spectra (EIS) of O-MoS_2 and MoS_2 catalysts.