

Electronic Supplementary Information

**Co₃O₄ Nanowires Supported on 3D N-Doped Carbon Foam as
Electrochemical Sensing Platform for Efficient H₂O₂ Detection**

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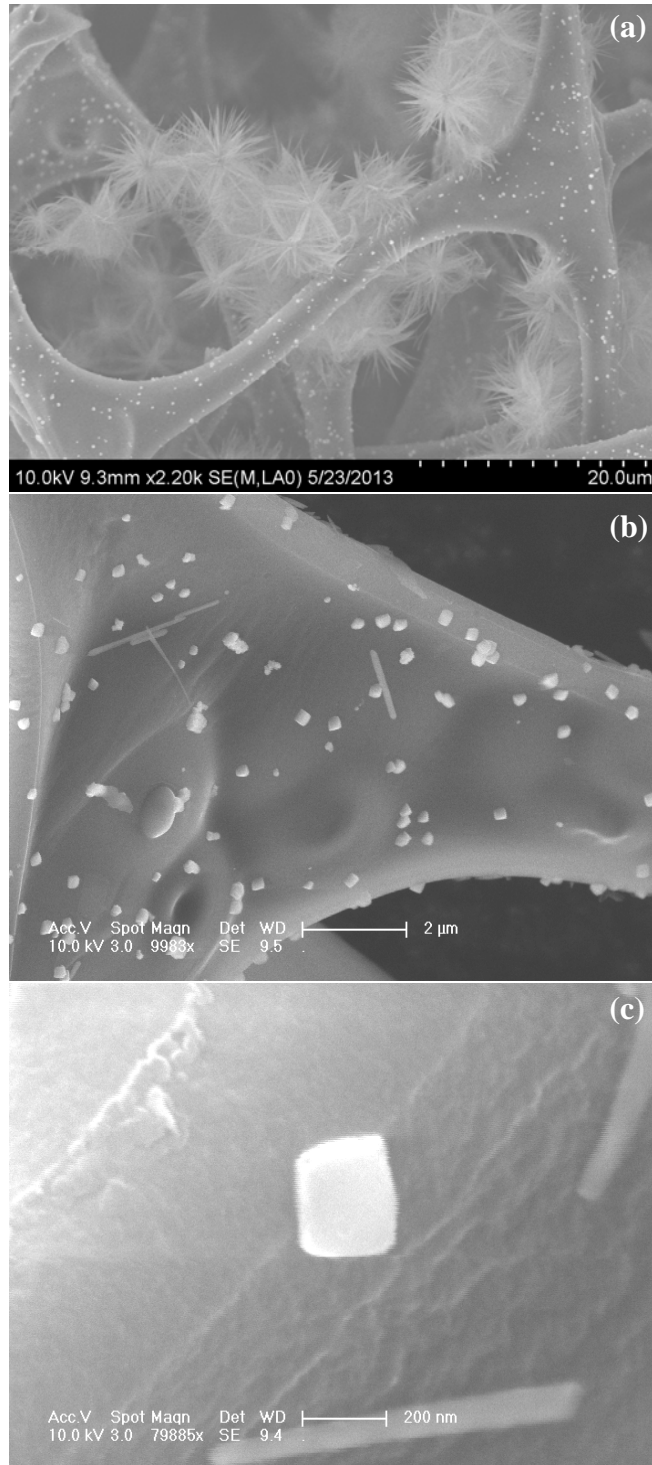


Fig. S1 SEM images of Co_3O_4 -NWs/CF-0.5 composite at different magnifications.

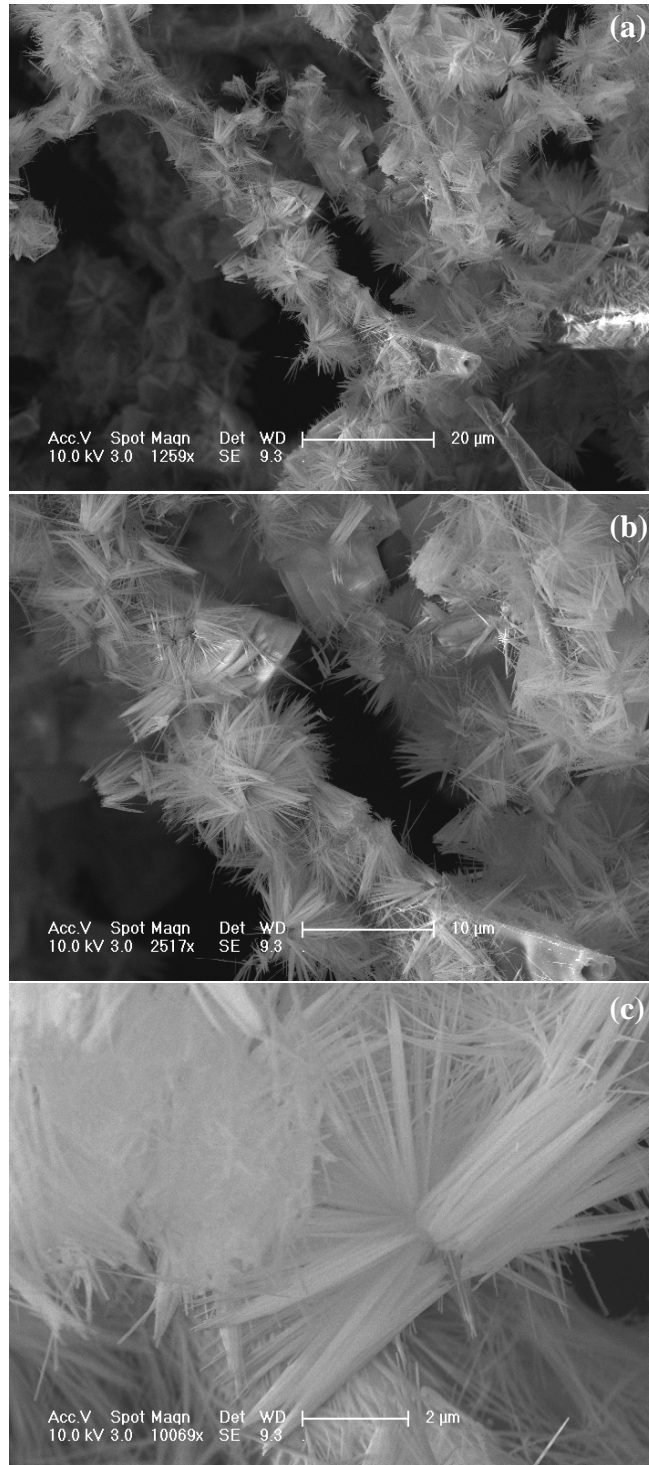


Fig. S2 SEM images of Co_3O_4 -NWs/CF-2 composite at different magnifications.

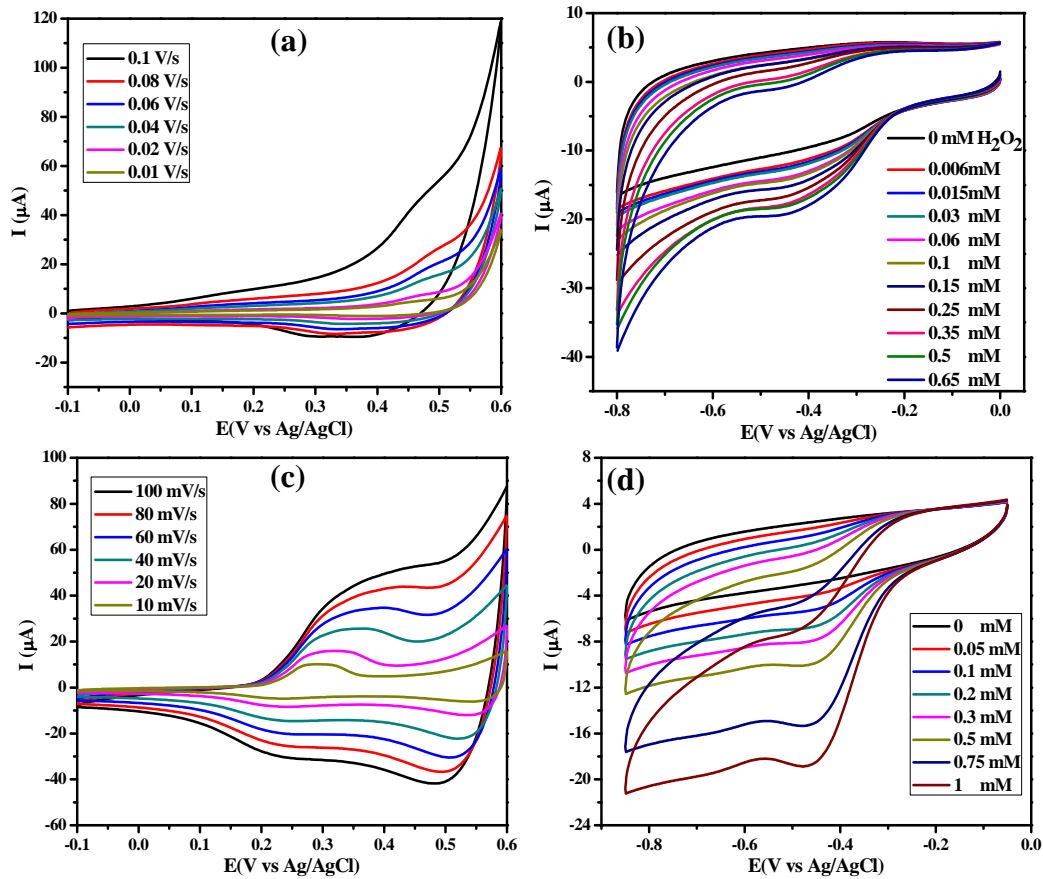


Fig. S3 Cyclic voltammograms of $\text{Co}_3\text{O}_4\text{-NWs/CF-0.5}$ (a) and $\text{Co}_3\text{O}_4\text{-NWs/CF-2}$ (c) recorded in 0.1 M KOH solution at different potential scan rates from 10 to 100 mV/s. Cyclic voltammograms of $\text{Co}_3\text{O}_4\text{-NWs/CF-0.5}$ (b) and $\text{Co}_3\text{O}_4\text{-NWs/CF-2}$ (d) in 0.1 M KOH solution with different concentrations of H_2O_2 , potential scan rate 0.1 V/s.

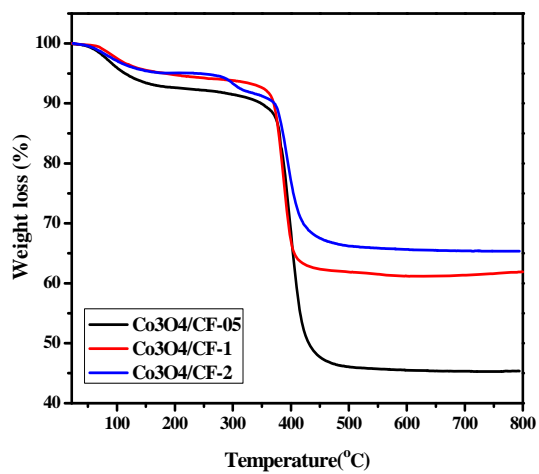


Fig. S4 TGA curves of $\text{Co}_3\text{O}_4/\text{CF}$ composites measured from 25 to 800 °C at a heating rate of 10 °C/min in air.