

Supporting Information

Amorphous Nickel-Iron Hydroxide Films on Nickel Sulfide Nanoparticles for Oxygen Evolution Reaction

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Electronic Supplementary Information (ESI) available

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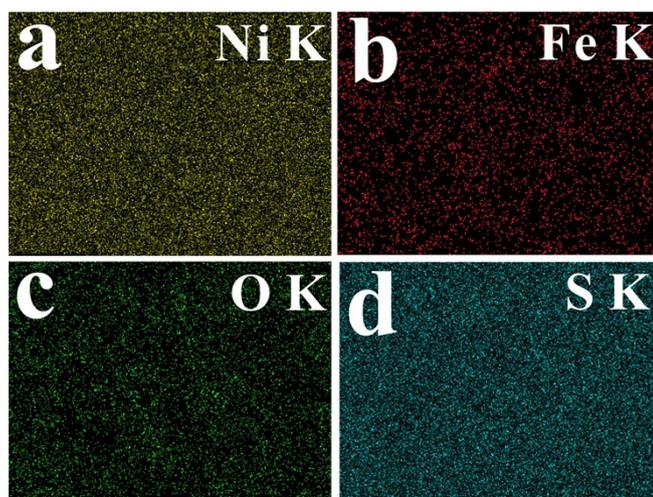


Figure S1. EDX elemental mapping for (a) Ni, (b) Fe, (c) O and (d) S of Ni-Fe-OH/Ni₃S₂/Ni foam.

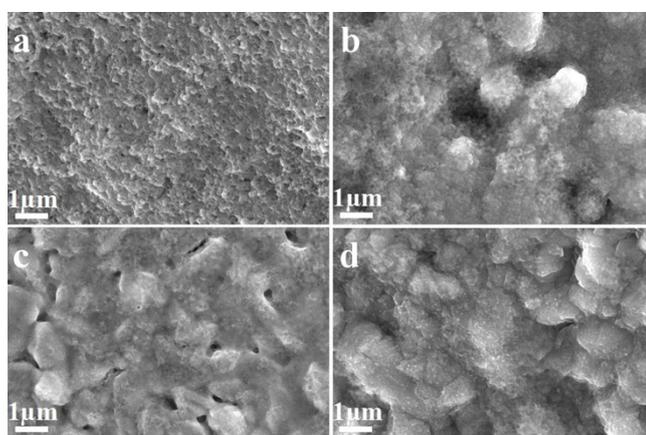


Figure S2. SEM images of the high magnification of (a) Ni₃S₂/Ni foam and Ni-Fe-OH/Ni₃S₂/Ni foam immersing time for (b) 5 s, (c) 50 s and (d) 100 s.

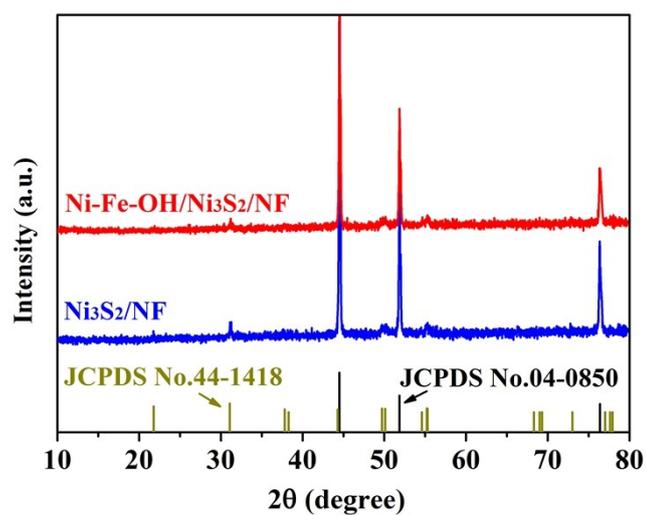


Figure S3. XRD patterns of Ni₃S₂/NF and Ni-Fe-OH/Ni₃S₂/NF.

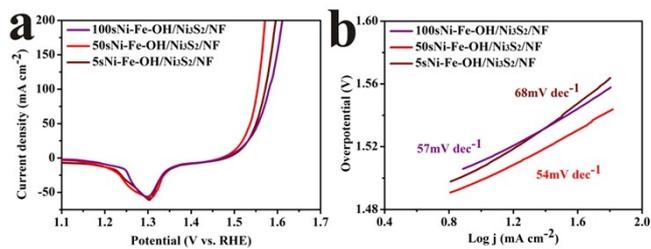


Figure S4. (a) The LSV curves of the OER performance of Ni-Fe-OH/Ni₃S₂/NF immersed at 5 s, 50 s and 100 s. (b) Corresponding Tafel plots for Ni-Fe-OH/Ni₃S₂/NF immersed at 5 s, 50 s and 100 s.

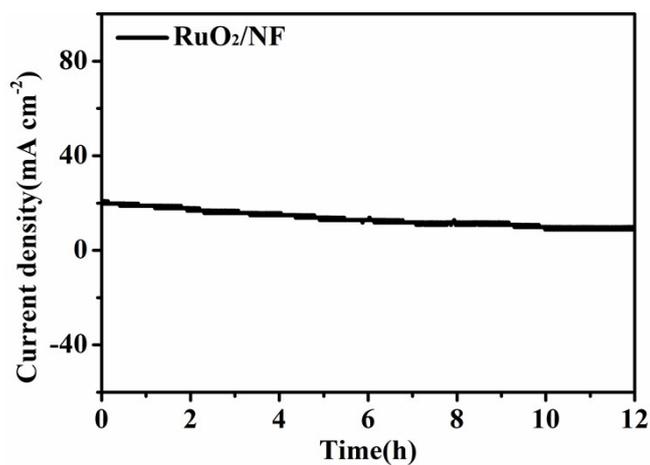


Figure S5. Chronoamperometry curve of RuO₂/NF at the applied potential of 1.51 V versus RHE.

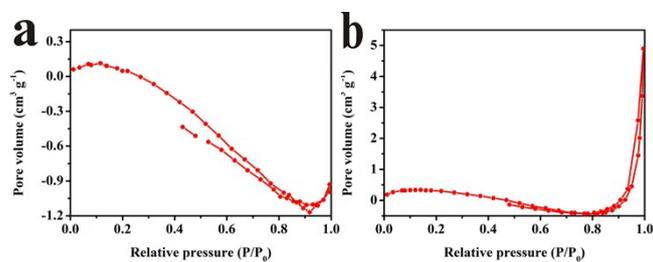


Figure S6. N₂ adsorption-desorption isotherms of (a) Ni₃S₂/NF and (b) Ni-Fe-OH/Ni₃S₂/NF.