

Supplementary Information

Two-step Hydrothermal Growth Heterostructure Cu_2S - Ni_3S_2 Nanosheet Arrays on Ni Foam to Enhance Hydrogen Evolution Reaction in Alkaline Media

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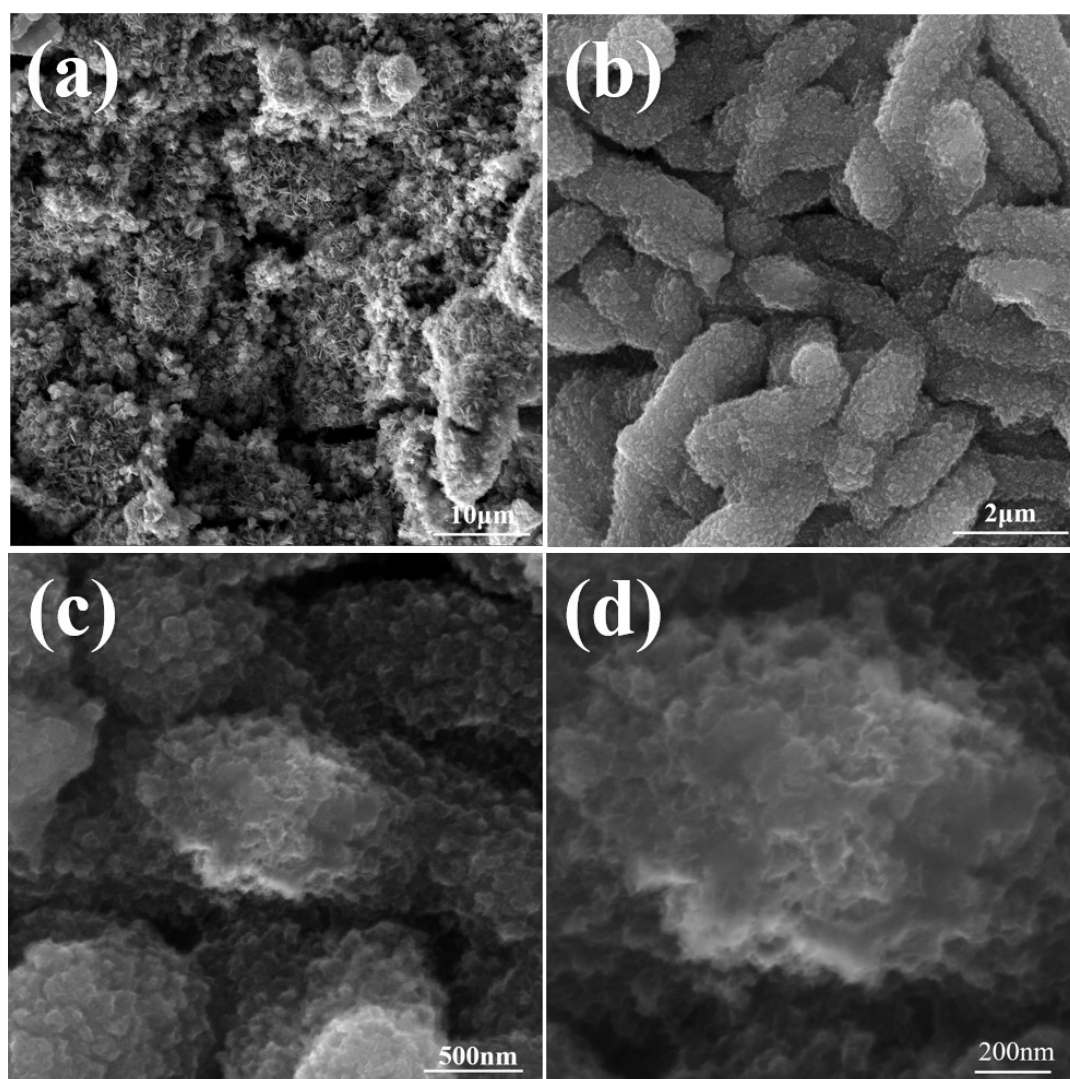


Figure S1 (a-d) SEM image of Cu_2S - Ni_3S_2 /NF after 58h chronopotentiometry test

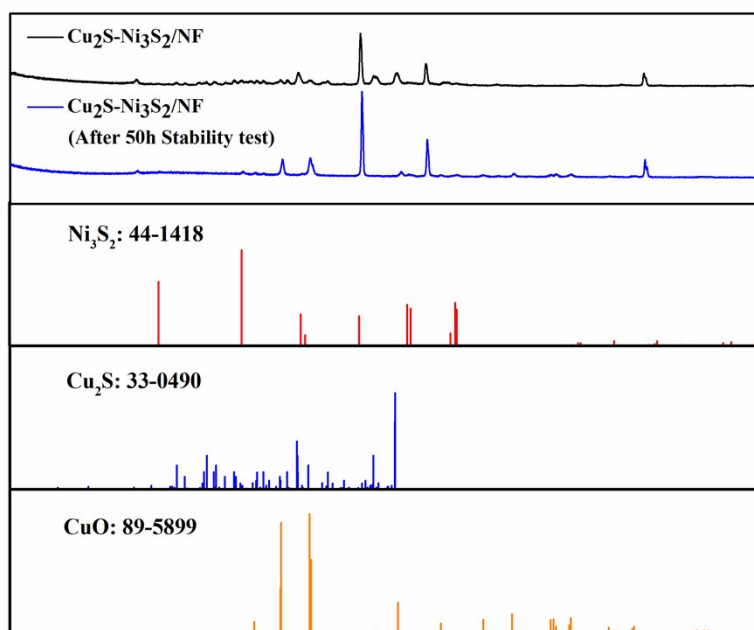


Figure S2 XRD pattern of $\text{Cu}_2\text{S-Ni}_3\text{S}_2/\text{NF}$ and $\text{Cu}_2\text{S-Ni}_3\text{S}_2/\text{NF}$ after 58h chronopotentiometry test

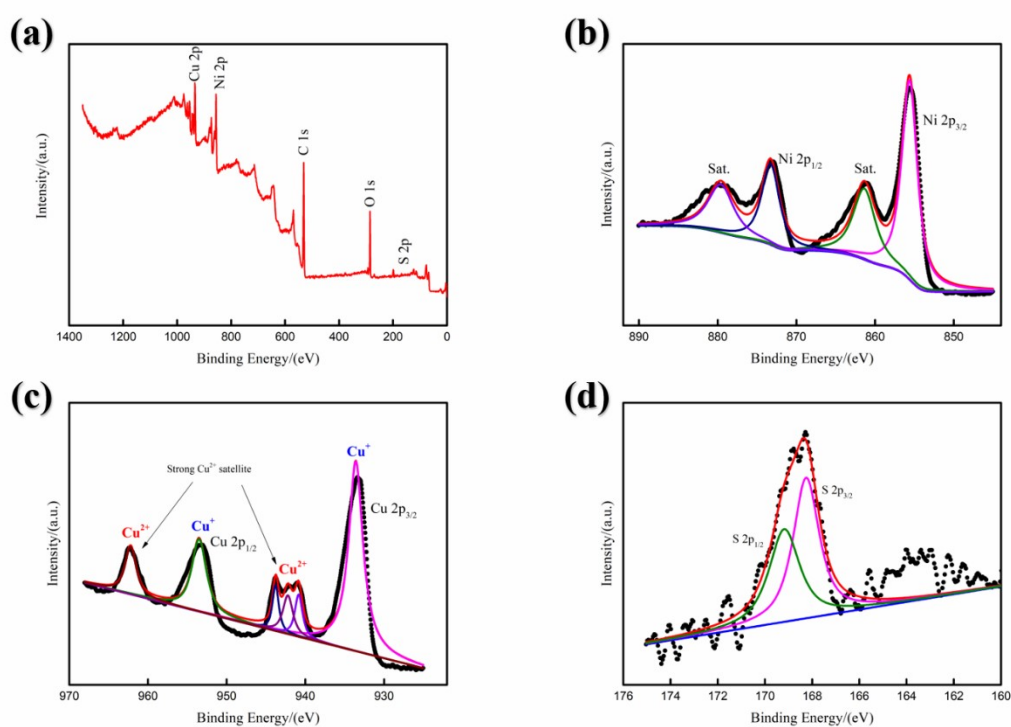


Figure S3 (a) XPS survey spectrum for $\text{Cu}_2\text{S-Ni}_3\text{S}_2/\text{NF}$ after 58h chronopotentiometry test. XPS spectra of $\text{Cu}_2\text{S-Ni}_3\text{S}_2/\text{NF}$ after 58h chronopotentiometry test in the (b) Ni 2p, (c) Cu 2p and (d) S 2p regions.

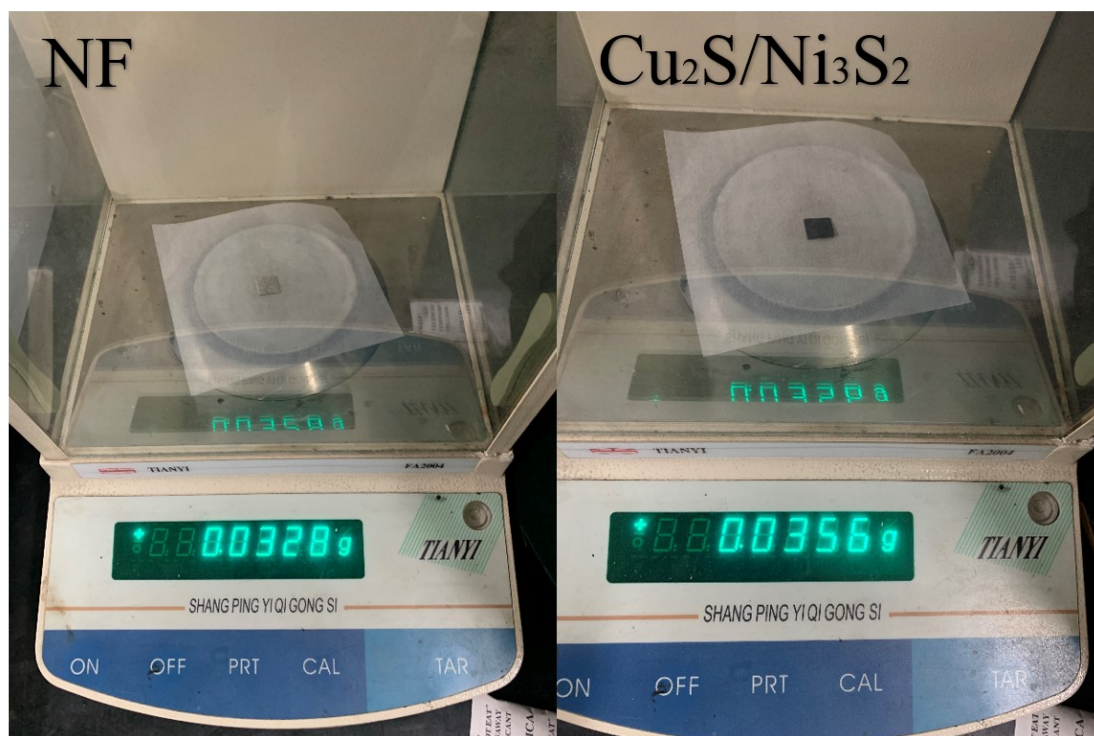


Figure S4. Weight comparison between NF and Cu₂S-Ni₃S₂/NF