

Supporting Information

Stable N-doped NiMoO₄/NiO₂ electrocatalyst for efficient oxygen evolution reaction

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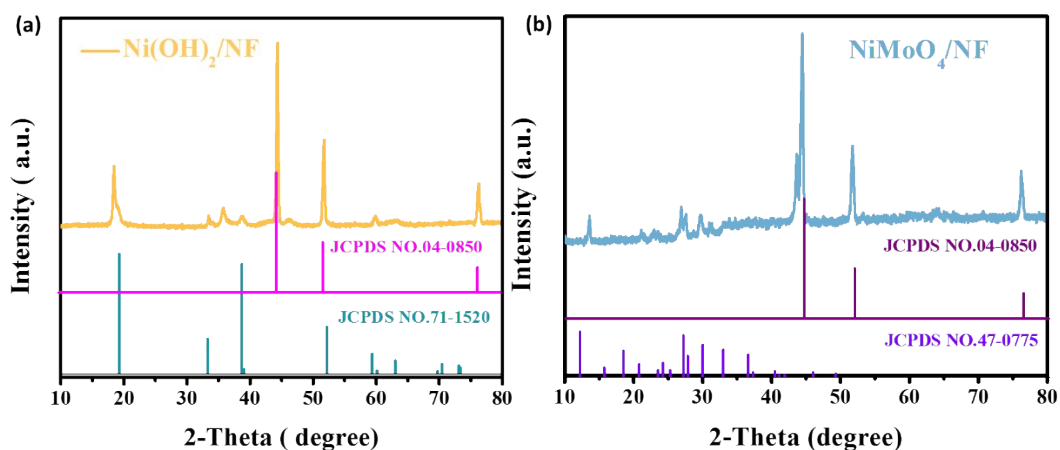


Figure S1 XRD patterns of Ni(OH)₂/NF and NiMoO₄/NF electrocatalysts.

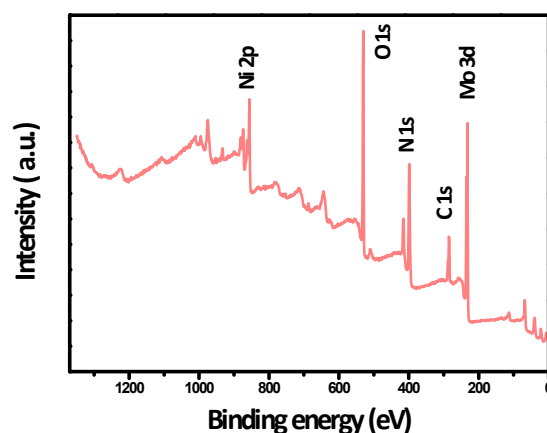


Figure S2 The XPS survey spectrum of N-NiMoO₄/NiO₂ electrocatalyst.

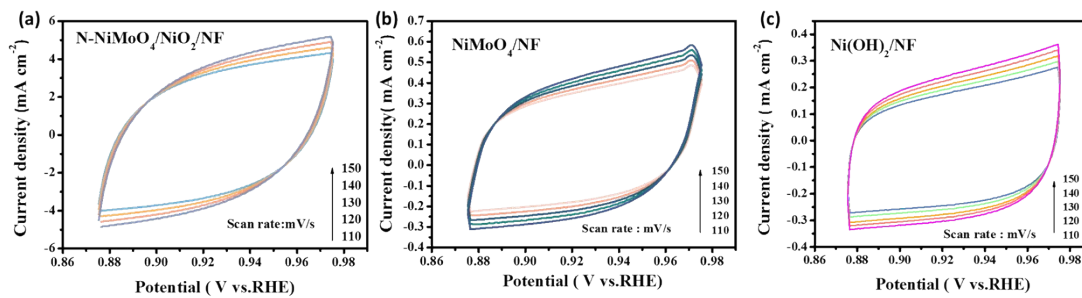


Figure S3 Cyclic voltammetry curves of N-NiMoO₄/NiO₂, NiMoO₄/NF, Ni(OH)₂/NF electrocatalysts at the scan rates of 110, 120, 130, 140 and 150 mV s⁻¹.

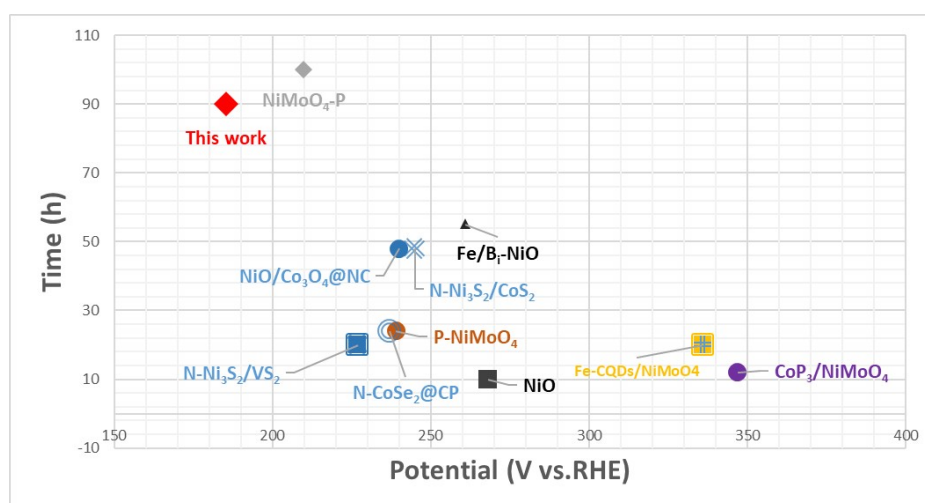


Figure S4 Electrochemical performance and chemical stability of different catalysts

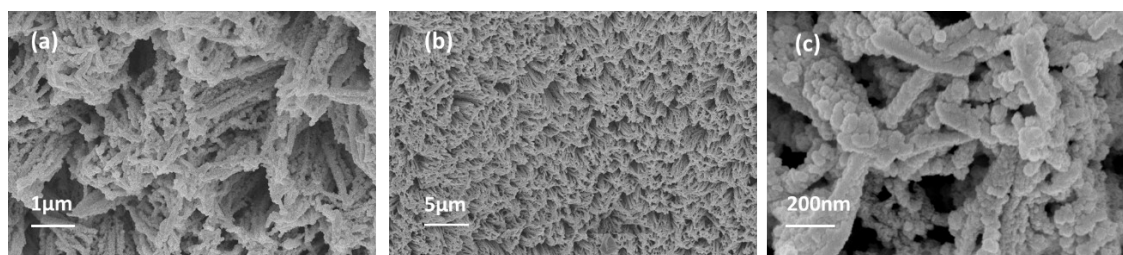


Figure S5 SEM images at different magnification of N-NiMoO₄/NiO₂ electrocatalyst after stability test.

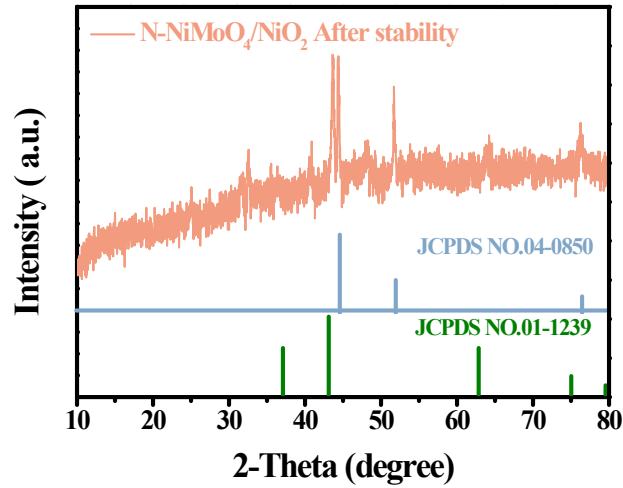


Figure S6 XRD pattern of N-NiMoO₄/NiO₂ electrocatalyst after OER stability test.

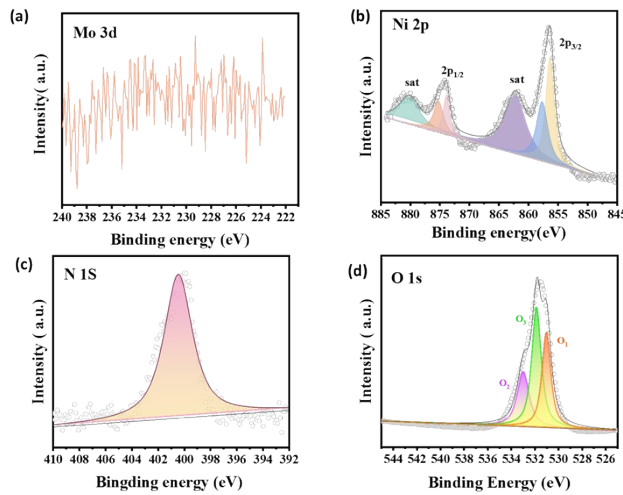


Figure S7 XPS spectra of (a) Mo 3d, (b) Ni 2p, (c) N 1s and (d) O 1s N-NiMoO₄/NiO₂ electrocatalyst after stability test.

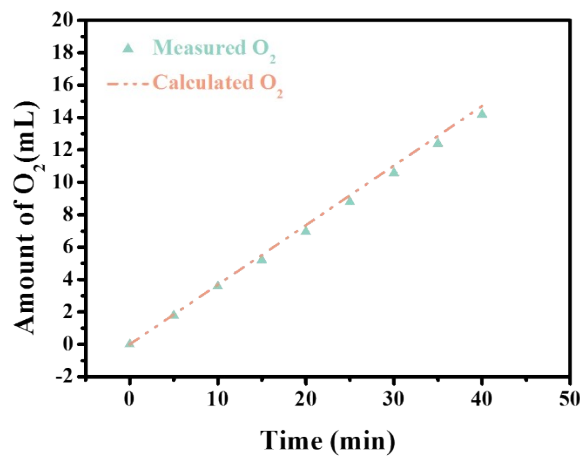


Figure S8 The measured volume and theoretical volume of oxygen gas in OER catalyzed by N-NiMoO₄/NiO₂ electrocatalyst.

References

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