

Supporting Information

Cascading reconstruction to induce highly disordered Fe-Ni(O)OH toward enhanced oxygen evolution reaction†

Wei Hua^a, Huanhuan Sun^a, Mingwei Jiang^a, Lingbo Ren^a, Yu Zhang^{b,*}, Jian-Gan Wang^{a,*}

^a State Key Laboratory of Solidification Processing, Center for Nano Energy Materials, School of Materials Science and Engineering, Northwestern Polytechnical University and Shaanxi Joint Lab of Graphene (NPU), Xi'an 710072, China

^b School of Mechanical and Power Engineering, East China University of Science and Technology, 130 Meilong Road, Shanghai 200237, China

*Corresponding Author E-mail: wangjiangan@nwpu.edu.cn (J.-G. Wang); yzhang071@ecust.edu.cn (Y. Zhang)

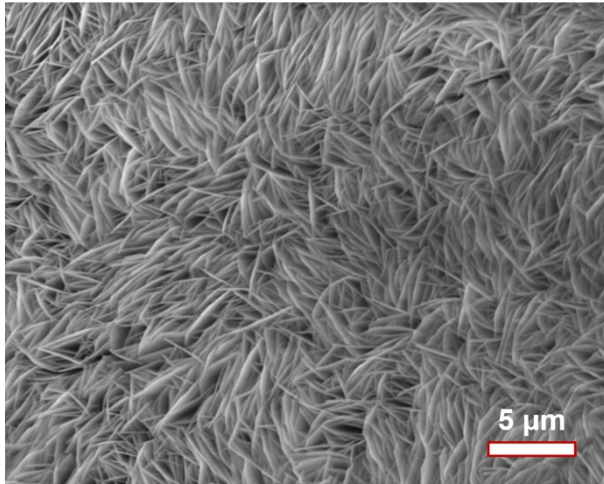


Fig. S1. The SEM image of Ni(OH)₂.

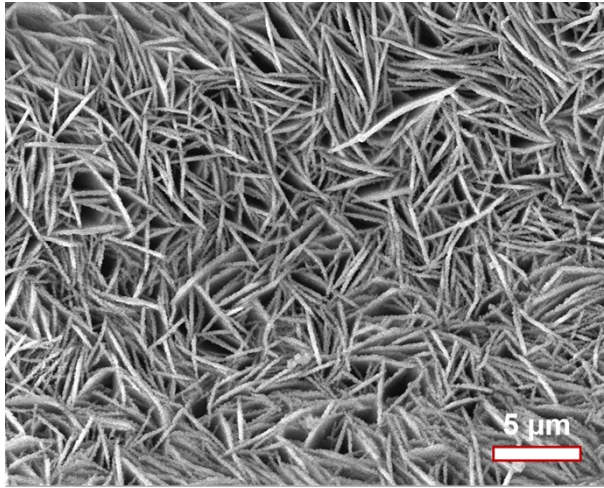


Fig. S2. The SEM image of NiHCF/Ni(OH)₂.

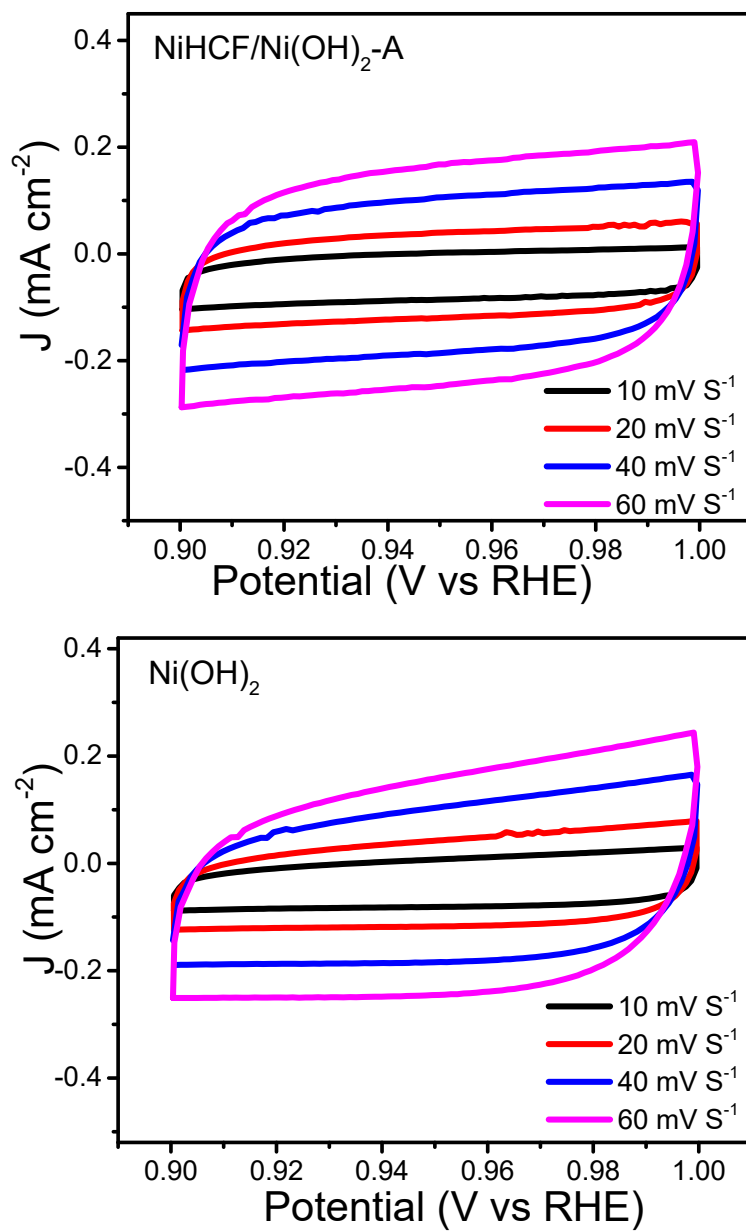


Fig. S3. CV curves at different scan rates for NiHCF/Ni(OH)₂-A and Ni(OH)₂.

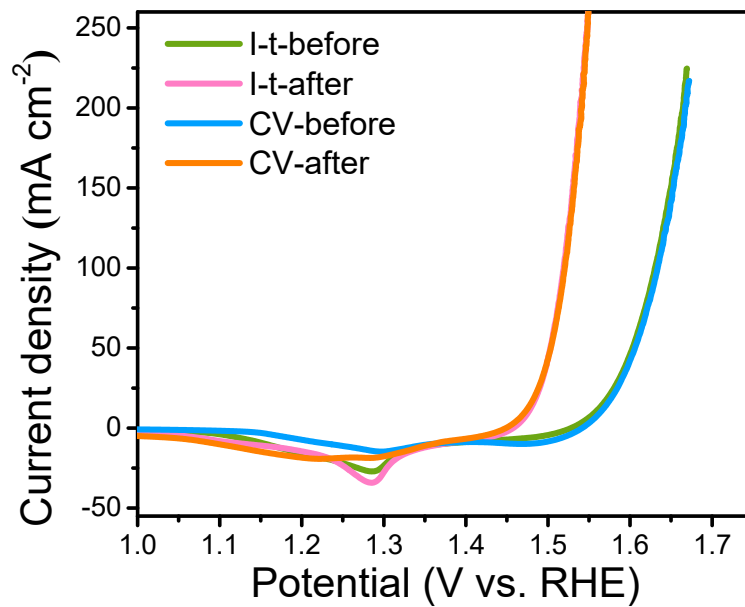


Fig. S4. LSV curves of NiHCF/Ni(OH)₂ before and after I-t and CV tests.

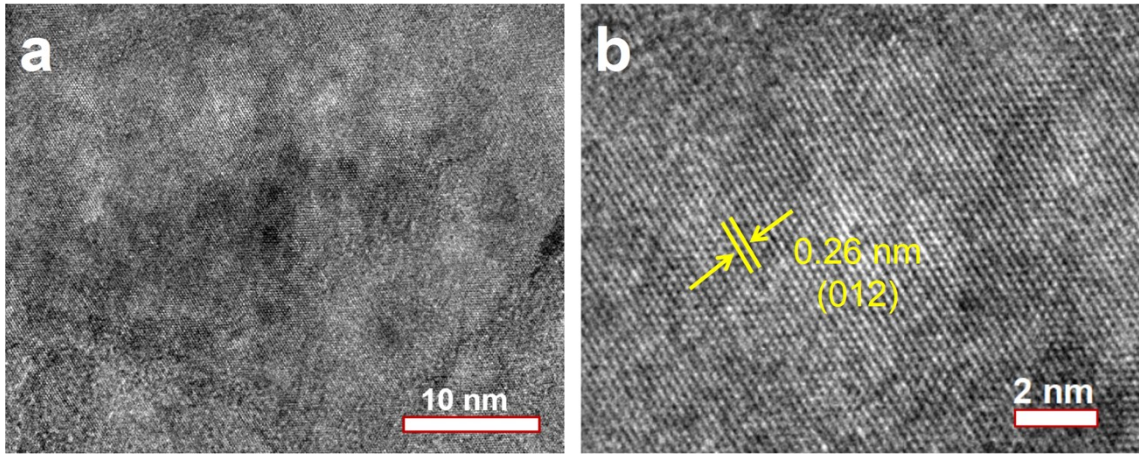


Fig. S5. HRTEM images of Ni(OH)₂.

Table S1. A comparison of the OER activities of the as-activated NiHCF/Ni(OH)₂-A with reported reconstructed electrocatalysts.

Catalyst	η (mV)	Current density (mA cm ⁻²)	Reference
Fe _{0.052} Ni-POMo	255.3	10	1
NiFe _{0.5} Sn-A	260	10	2
CR-NiOOH	278.2	10	3
Cu ₂ S-derived CuO/ CF	286	10	4
Mo ₁ -CoOOH@CP	274	10	5
aMOF-NC	249	10	6
SELF-RECONCAT	270	50	7
NiHCF/Ni(OH) ₂ -A	242	10	This work
NiHCF/Ni(OH) ₂ -A	272	50	This work
NiHCF/Ni(OH) ₂ -A	289	100	This work

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