

Supporting Information

In Situ Assembly of Bimetallic MOF Composites on IF as Efficient Electrocatalysts for Oxygen Evolution Reaction

Yeqing Zhang ^a, Jinlei Wang ^a, Lei Ye ^a, Meilin Zhang ^a, Yaqiong Gong ^{a,b,*}

a School of Chemical Engineering and Technology, North University of China, Taiyuan, Shanxi, China, 030051

b State Key Laboratory of Physical Chemistry of Solid Surfaces, Xiamen University, Xiamen, Fujian, China, .361005

* Email: gyq@nuc.edu.cn (Yaqiong Gong)

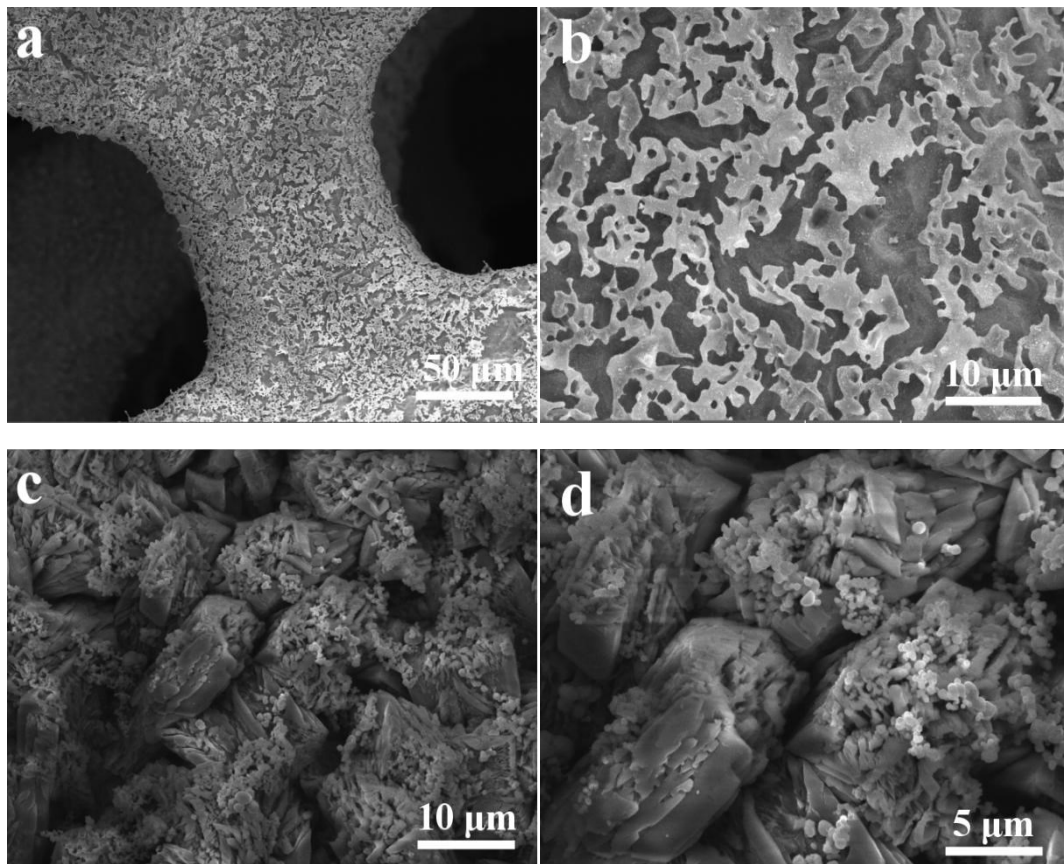


Figure S1. SEM images of (a, b) NiFe/IF, (c, d) Fe-MOF@IF.

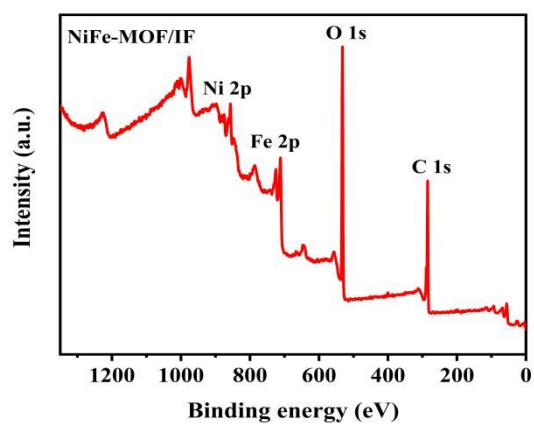


Figure S2. XPS survey spectra for the FeNi-MOF/IF.

Figure S3. Faradaic efficiency of NiFe-MOF/IF for the OER.

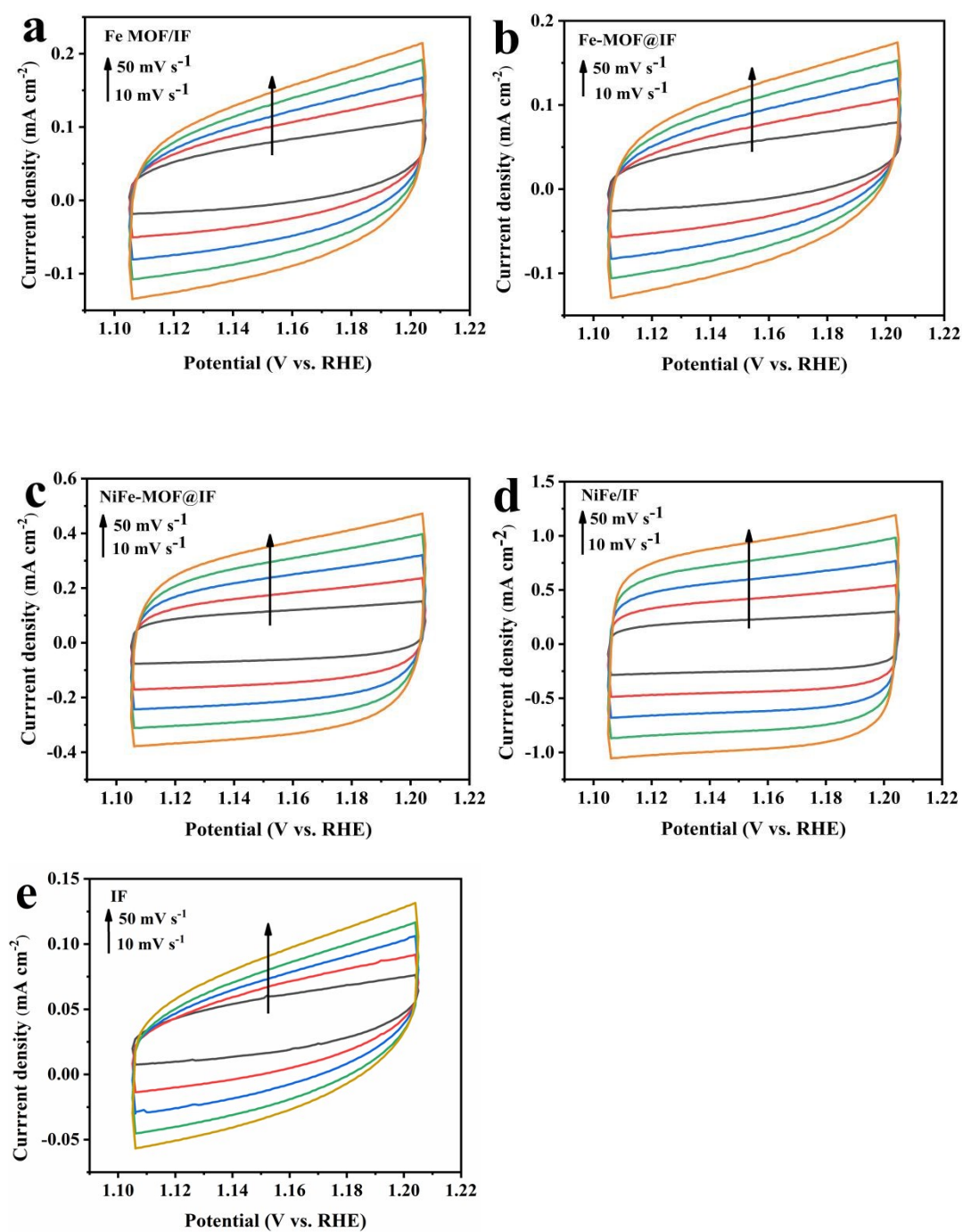


Figure S4. Cyclic voltammetry curves of (a) Fe-MOF/IF, (b) Fe-MOF@IF, (c) NiFe-MOF/IF, (d) NiFe/IF and (e) IF.

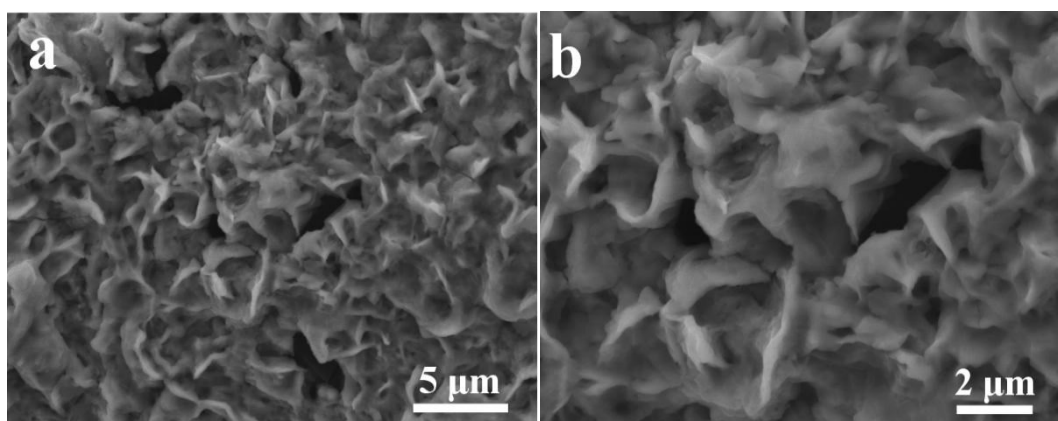


Figure S5. The SEM images of Fe-MOF/IF after OER.

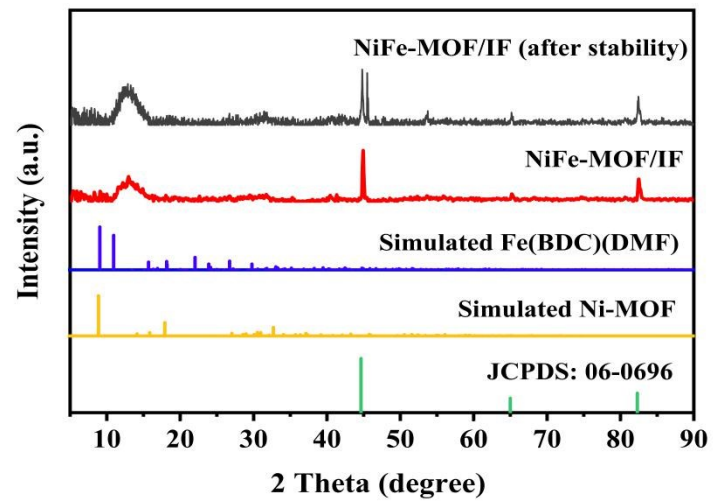


Figure S6. XRD pattern of NiFe-MOF/IF before and after stability.

Table S1. Comparison of OER activity between NiFe-MOF/IF and other recently reported non noble metal catalysts.

Catalyst	Current density (mA·cm⁻²)	Overpotential (mV)	Tafel slope (mV·dec⁻¹)	Reference
NiFe-MOF/IF	10	230	30.46	this work
NiFe-MOF-74/NF	10	223	71.6	1
Fe ₁ Ni ₂ -BDC	10	260	35	2
MIL-53(FeNi)/NF	50	233	31.3	3
NiFe-MOF/OM-NFH	10	270	123	4
Fe MOF/IF	50	240	72	5
NiFe-MOF	50	270	49	6
NiFe(dobpdc)	10	207	36	7
NiFe-NFF	10	227	38.9	8
NiFe-MS/MOF@NF	50	230	32	9
NiFe-NCs	10	271	48	10

Reference

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