

MOF-derived CoSe₂@NiFeOOH porous arrays for efficient oxygen evolution reaction

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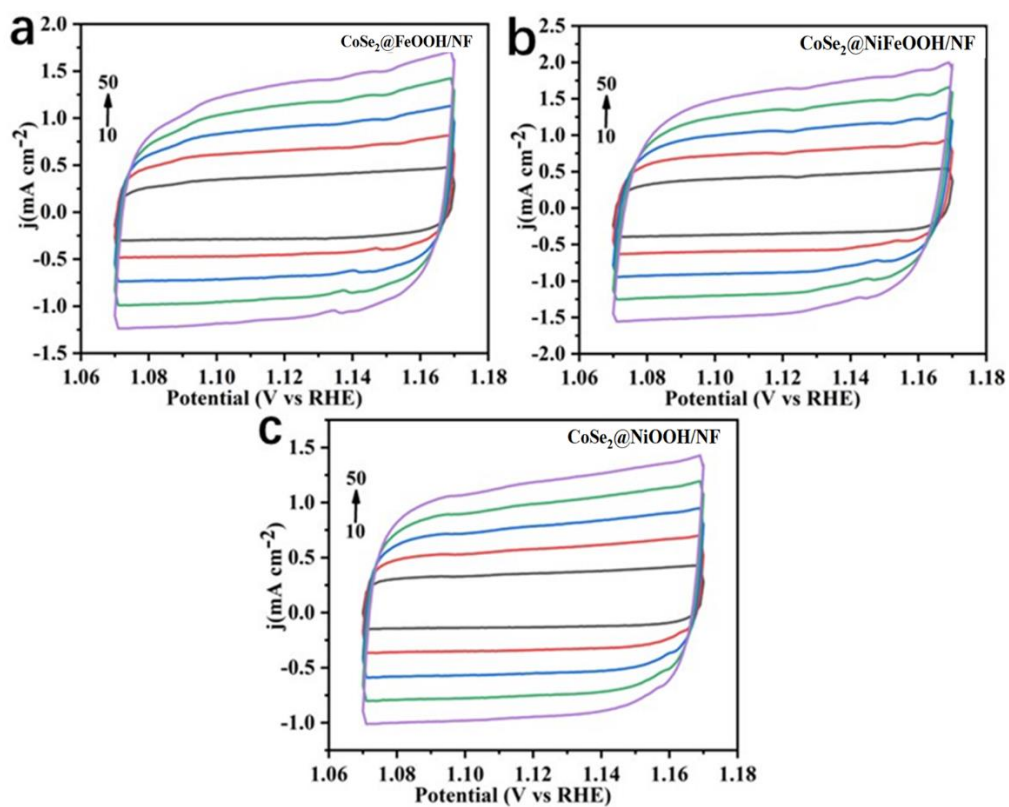


Figure S1. CV curves of a) CoSe₂@FeOOH/NF. b) CoSe₂@NiFeOOH/NF and c) CoSe₂@NiOOH/NF.

Table S1. Comparison of the OER activity of CoSe₂@NiFeOOH/NF with other non-noble metal electrocatalysts in alkaline solution.

Electrocatalyst	j (mA·cm ⁻²)	η(mV)	b (mV·dec ⁻¹)	Electrolyte solution	Ref.
CoSe ₂ @ NiFeOOH/NF	100	254	73	1M KOH	This work
NiFe-LDH/NiCo ₂ O ₄ /NF	50	350	53	1M KOH	[1]
NiCo ₂ S ₄ @NiFe-LDH/NF	60	201	46.3	1M KOH	[2]
NiFe:Pi/NiFe-LDH/CFP	10	290	38	1M KOH	[3]
CoSe/NiFe-LDH/	150	270	57	1M KOH	[3]
NiFe LDH	10	300	40	1M KOH	[4]
NiFe LDH/RGO	10	245	N/A	1M KOH	[5]
Ni-Fe LDH/3D-ErGO	10	259	39	1M KOH	[6]
NiFe-LDH	10	290	51	1M KOH	[7]
NiFeCo LDH/CF	10	249	42	1M KOH	[8]
Co ₃ O ₄ @NiFe-LDH	10	215	40.4	1M KOH	[9]
Mo-Ni ₂ P/NiFe LDH/NF	40	269	44	1M KOH	[10]
CoSe ₂	10	284	46.3	1M KOH	[11]
CoSe ₂ -450	10	330	79	1M KOH	[12]
Co ₂ P/CoSe ₂ -300	100	280	51.2	1M KOH	[13]
CoSe/Ti	10	292	69	1M KOH	[14]

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