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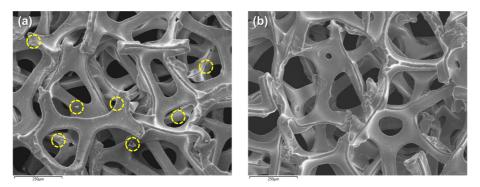
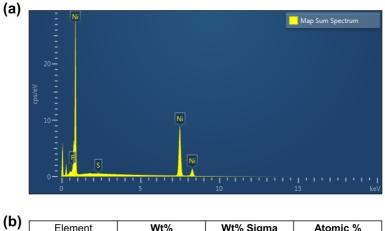


Fig. S4. SEM image displaying the dip-coated Ni₆/NF electrode (a) before and (b) after CP electrolysis.



ן (מ	Element	Wt%	Wt% Sigma	Atomic %
	F	0.96	0.07	2.92
	S	0.12	0.03	0.21
	Ni	98.92	0.08	96.87
	Total:	100.00		100.00

Fig. S5. (a) EDS spectrum of $\mathrm{Ni}_6/\mathrm{NF}$ and (b) corresponding table.

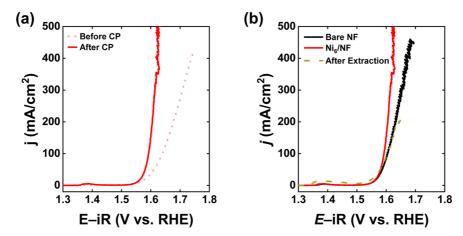


Fig. S6. LSV traces recorded on (a) Ni₆/NF before and after CP electrolysis, and on (b) NF after extracting Ni₆ NCs.