

Supporting Information

In-situ grown Ru-doped Ni(OH)₂ nanosheets on nickel foam for stable electrocatalytic hydrogen evolution reaction

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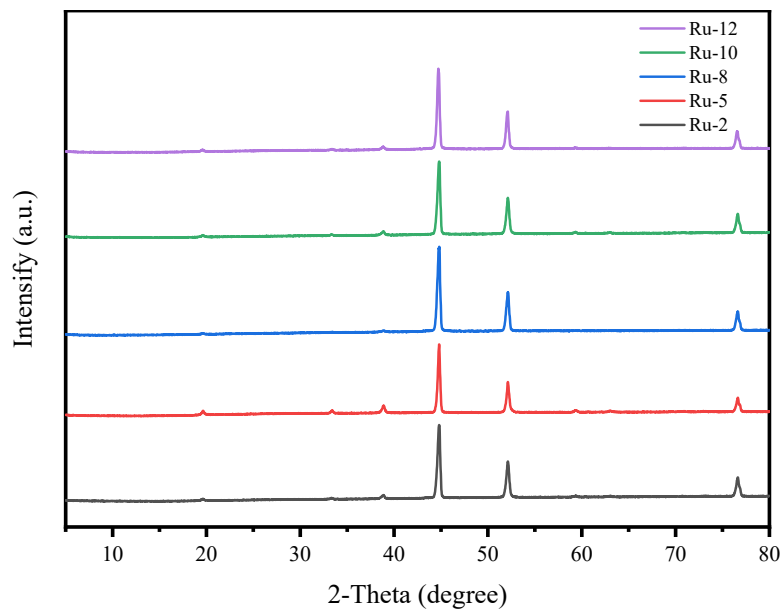


Fig. S1. XRD patterns of $\text{Ni}(\text{OH})_2\text{-NF}$ with different Ru doping levels.

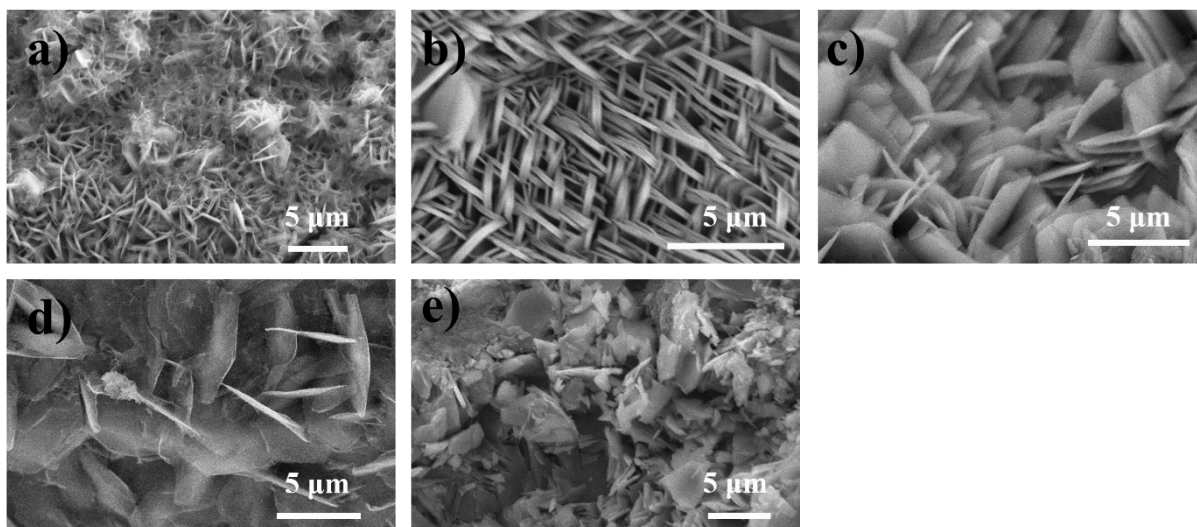


Fig. S2. SEM images of $\text{Ru}/\text{Ni}(\text{OH})_2\text{-NF}$ with different Ru doping levels: (a) 2 mg, (b) 5 mg, (c) 8 mg, (d) 10 mg and (e) 12 mg.

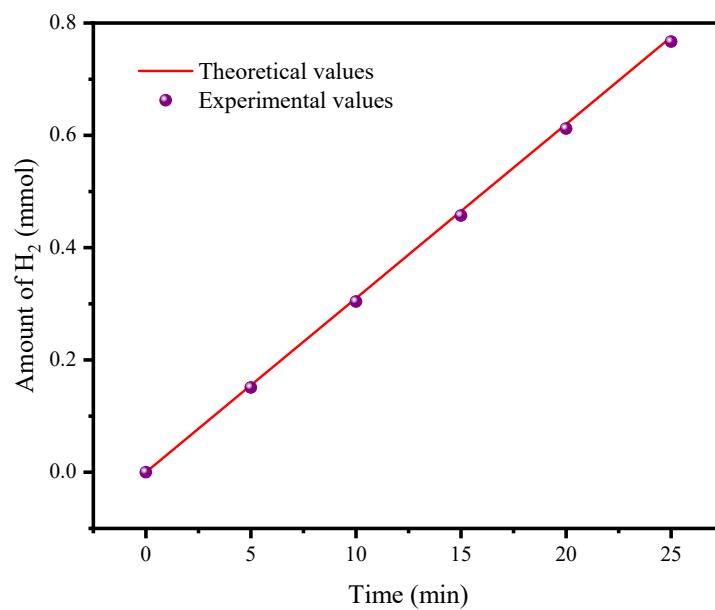


Fig. S3. Comparison of the evolved hydrogen volume with the theoretical hydrogen volume calculated based on the amount of consumed charges over the course of electrolysis.

Table S1. ICP-OES results for the Ru/Ni(OH)₂-NF catalysts.

Elements	Elements contents
	(wt%)
Ru	0.34
Ni	98.30