

Supporting Information

Engineering ultrahighly dispersed cocatalysts on few-layered catalyst for efficiently photocatalytic H₂ evolution: A case study of Ni(OH)₂/HNb₃O₈ nanocomposites

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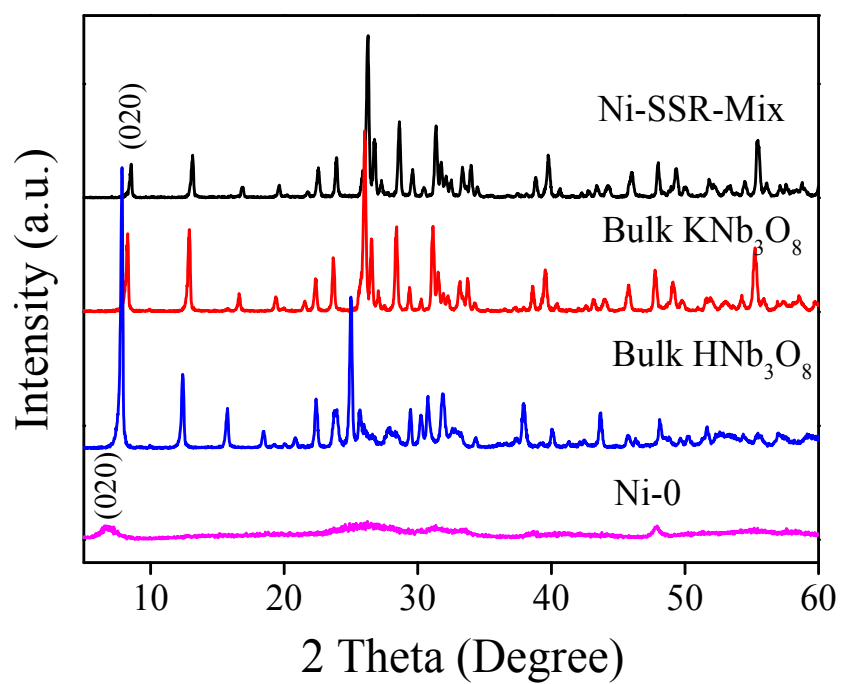


Fig. S1 XRD patterns of Ni-SSR-Mix, bulk KNb_3O_8 , bulk HNb_3O_8 and Ni-0.

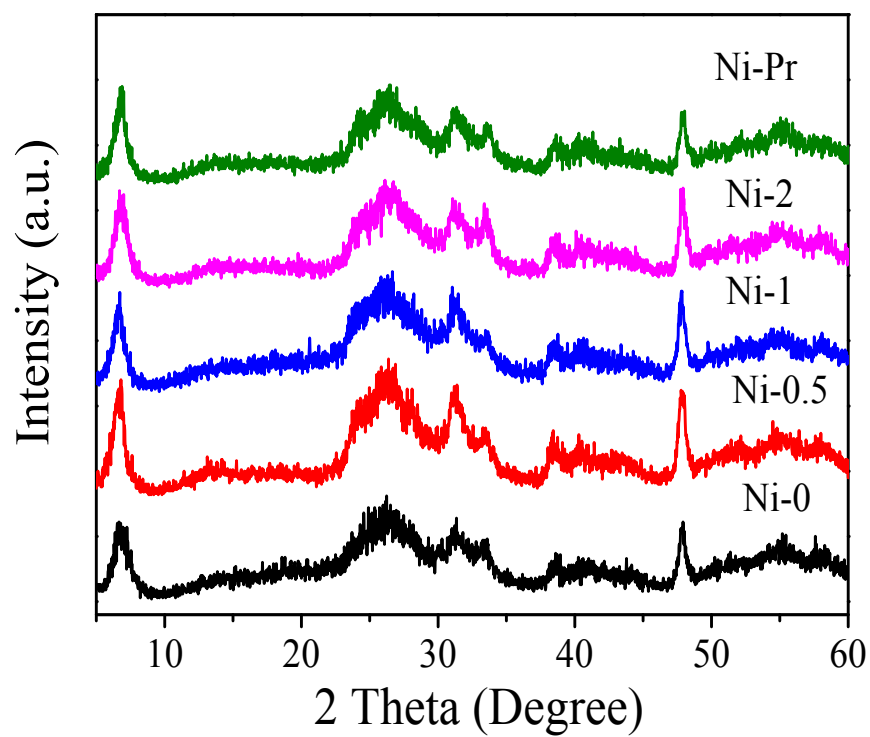


Fig. S2 XRD patterns of Ni-0, Ni-0.5, Ni-1, Ni-2, Ni-Pr.

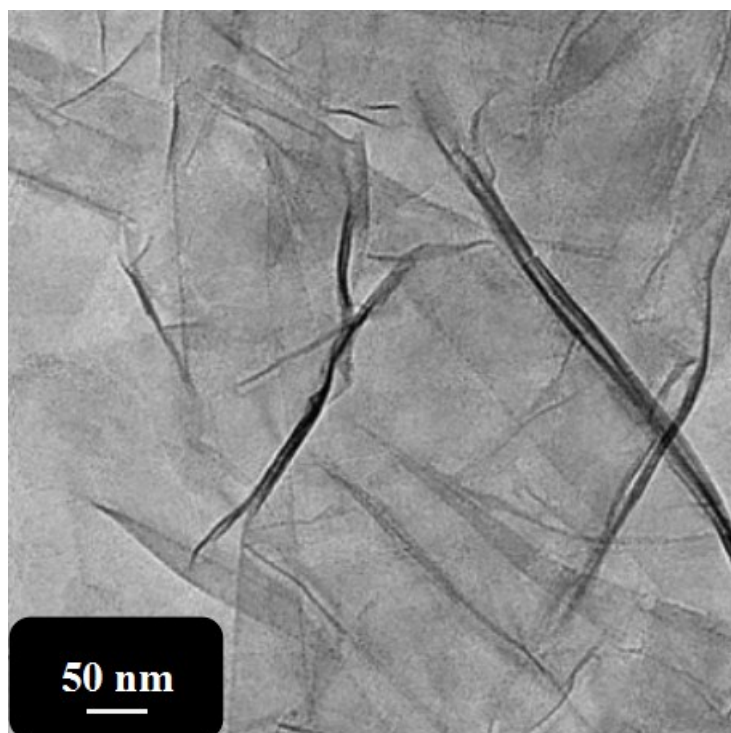


Fig. S3 TEM images of Nb_3O_8^- colloidal solution.

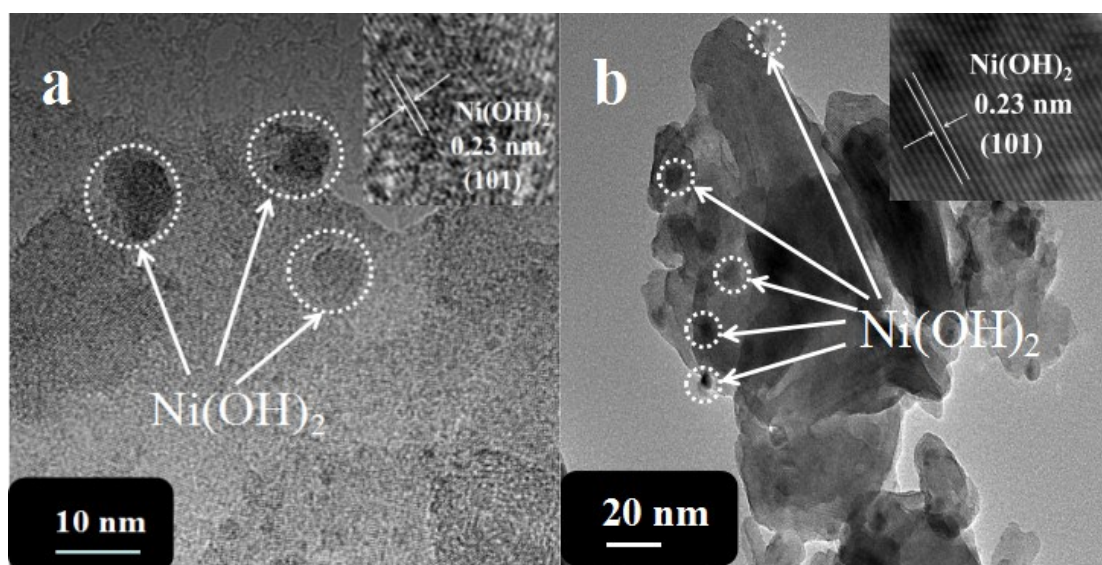


Fig. S4 TEM images of Ni-Pr (a) and Ni-Mix (b).

Table S1 Surface area and the photocatalytic activity of the samples

Sample	S_{BET} (m ² /g)	Ni (wt.%)	R_1^a (μmol h ⁻¹ g ⁻¹)	R_2^b (μmol h ⁻¹ m ⁻²)
Ni-SSR-Mix	0.4	0.54	16.9	
Ni-0	23.5	-	7.1	
Ni-Pr	20.1	0.42	97.3	4.8
Ni-1	25.9	0.45	265.4	10.2

^aProduction rate of H₂; ^bProduction rate of H₂ normalized by the surface area.