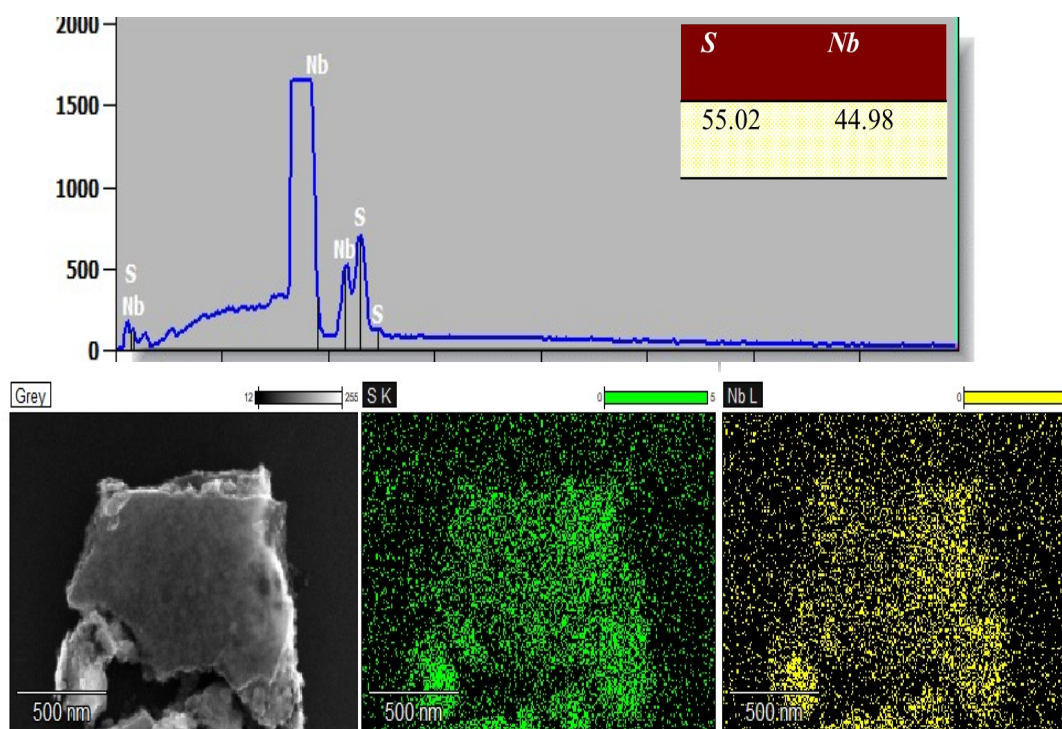


Supporting Information

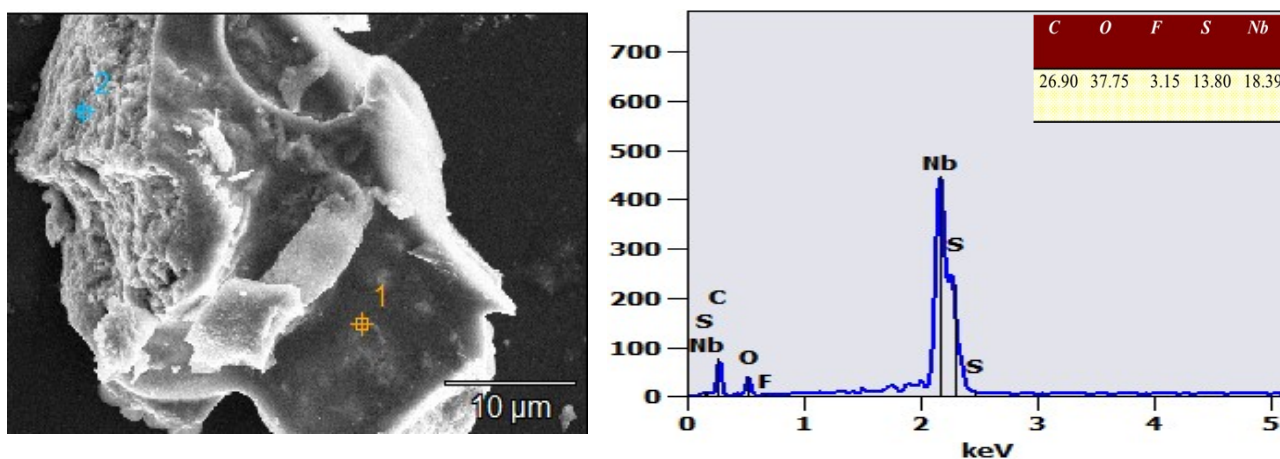
Synthesis, Characterisation, Electrocatalytic HER Activity, and Electrical Resistivity of 3R-NbS₂ Nanosheets

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1. EDS spectrum and Mapping of 3R-NbS₂ nanosheets before electrocatalysis



2. SEM image and EDS spectrum of 3R-NbS₂ nanosheets after electrocatalysis



3. Low magnification SEM image of 3R-NbS₂ nanosheets

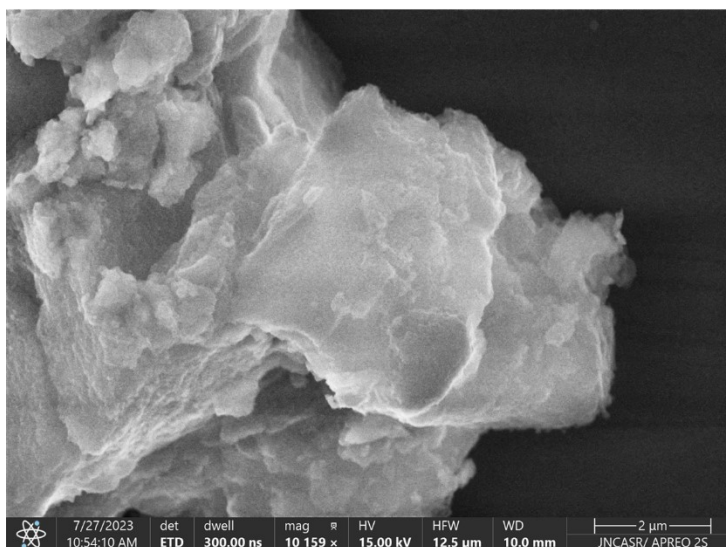


Table S1. Comparison of electrocatalytic HER performance of NbS₂

Catalyst	Current density (J)	Over potential	Electrolyte	References
Bare NbS ₂	10 mA cm ⁻²	550 mV	0.5 M H ₂ SO ₄	Sustainable Energy & Fuels 2018, 2, 96-102
NbS ₂ /rGO	10 mA cm ⁻²	500 mV	0.5 M H ₂ SO ₄	Sustainable Energy & Fuels 2018, 2, 96-102
2H-NbS ₂	10 mA cm ⁻²	236 mV	0.5 M H ₂ SO ₄	ACS Appl. Mater. Interfaces 2019, 11, 13205–1321
H-NbS ₂	10 mA cm ⁻²	50 mV	0.5 M H ₂ SO ₄	Nature Energy, 2, 17127 (2017)
3R-NbS ₂	10 mA cm ⁻²	467 mV	0.5 M H ₂ SO ₄	This work