Electronic Supplementary Material (ESI) for Sustainable Energy & Fuels.

Electronic Supplementary Information

Facile synthesis of electrocatalytically active NbS_2 nanoflakes for enhanced hydrogen evolution reaction (HER)

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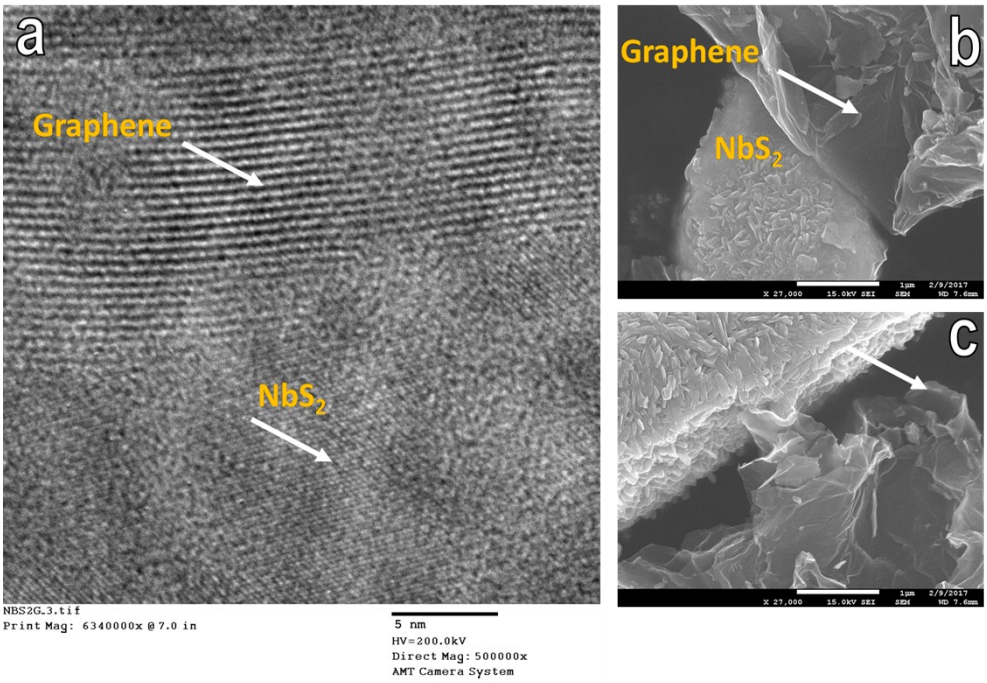

Figure S1. a) TEM image of NbS_2/rGO composite. b) SEM images of NbS_2/rGO composite

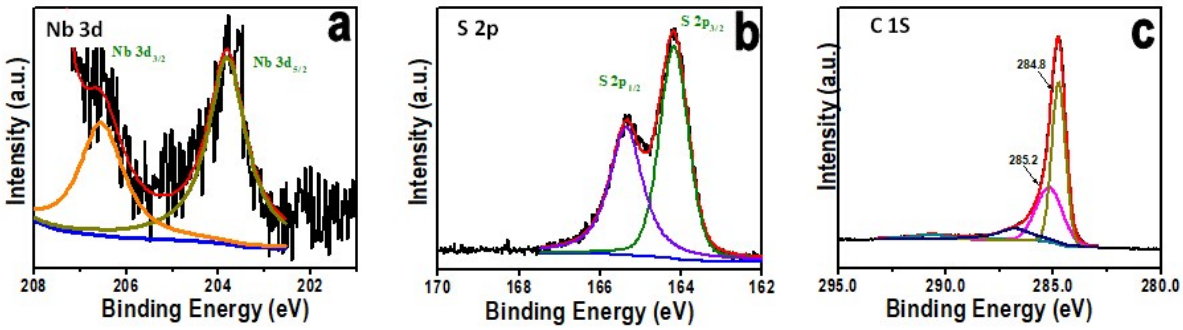

Figure S2. XPS of NbS_2/rGO composite towards HER

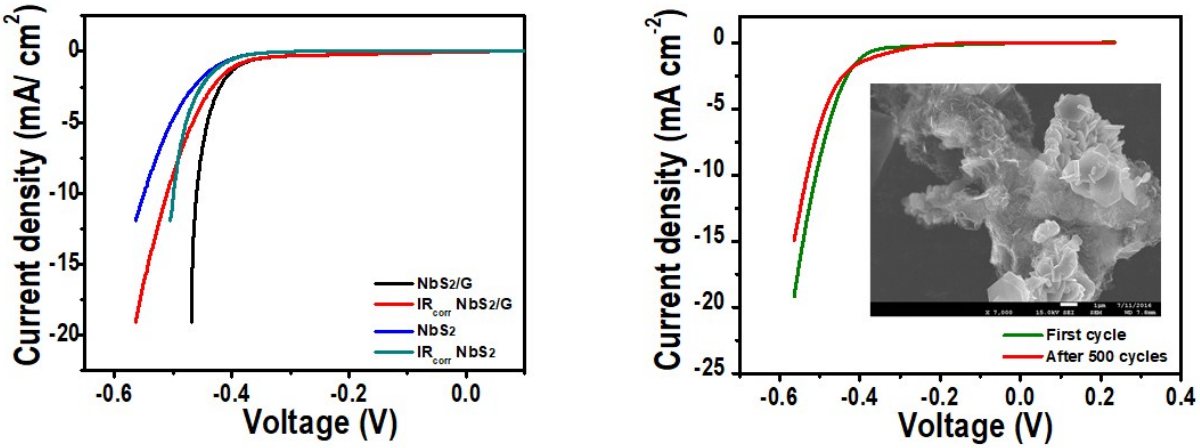

Figure S3. a. Comparison of LSVs of NbS_2 and NbS_2/G with and without IR correction. b. stability of NbS_2/G composite towards HER (inset : SEM image of NbS_2/G after 500 cycles)

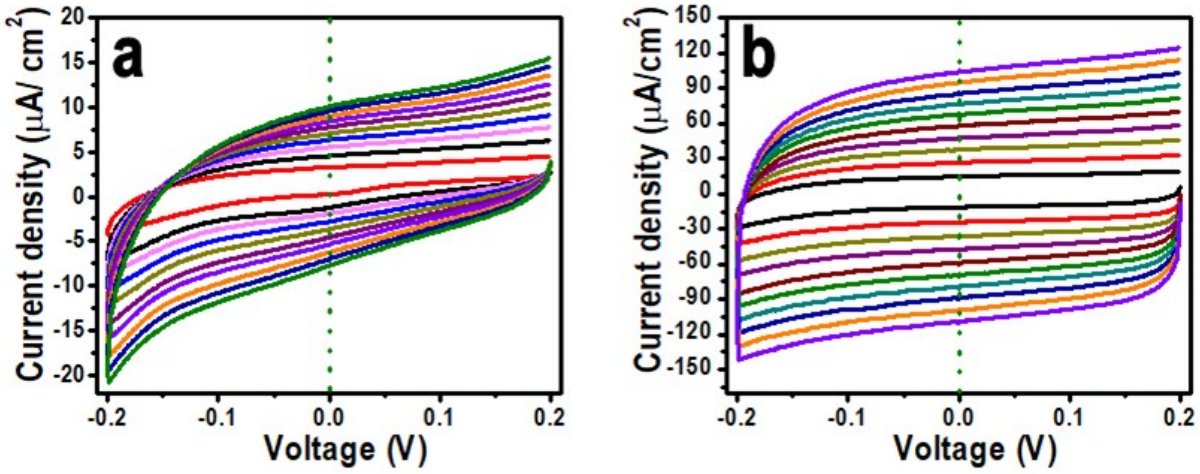

Figure S4. Electrochemical cyclic voltammogram of a) NbS_2 nanoflakes and b) NbS_2/G at different potential scanning rates.