catalysts

Supplementary materials: Enhanced Electrocatalytic Activity of Stainless Steel Substrate by Nickel Sulfides for Efficient Hydrogen Evolution

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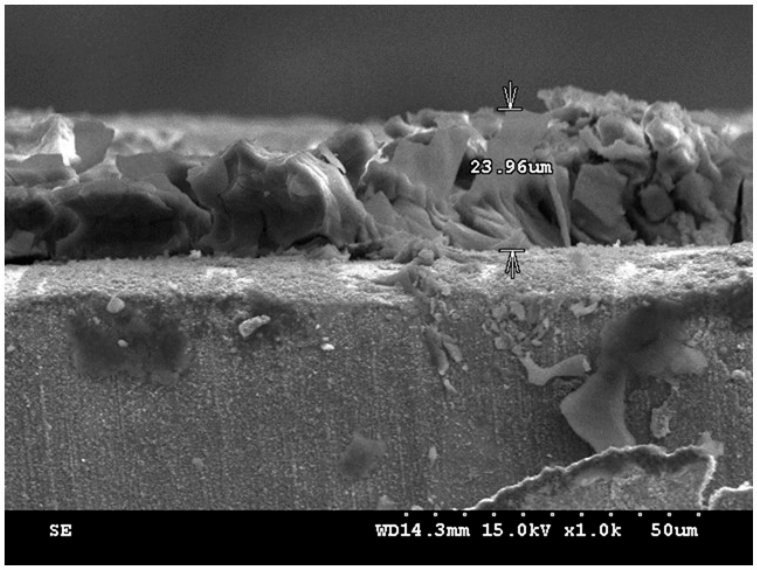

Figure S1. The thickness of the SEM image of NiS_x/SUS.

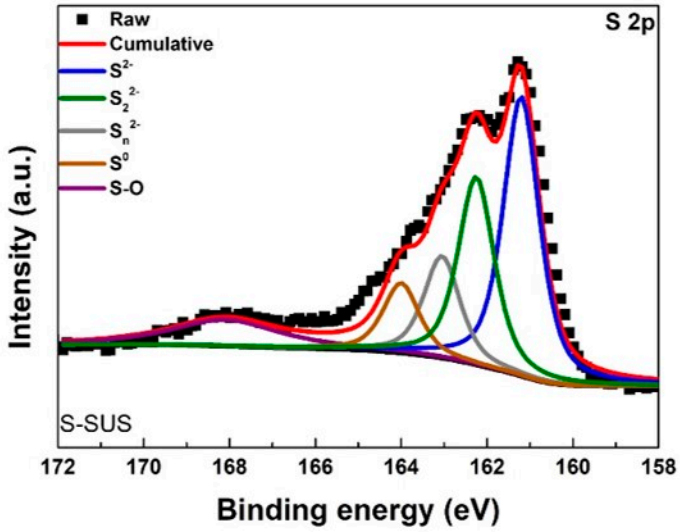

Figure S2. Deconvolution of the XPS peaks of S-SUS in the S 2p region.

Table S1. Surface chemical analysis of samples by XPS.

Catalysts	Ni 2p (atomic %)	S 2p (atomic %)	O 1s (atomic %)
SUS	1.24	0	98.76
S-SUS	1.66	47.83	50.51
NiS_x/SUS	6.65	15.99	77.36

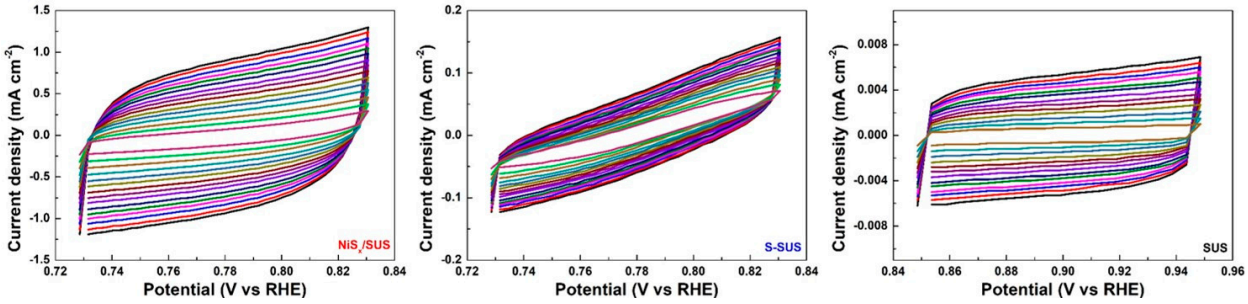

Figure S3. CV of the prepared electrodes in the non-faradaic regions at different scan rates (20 mV s^{-1} to 260 mV s^{-1}).

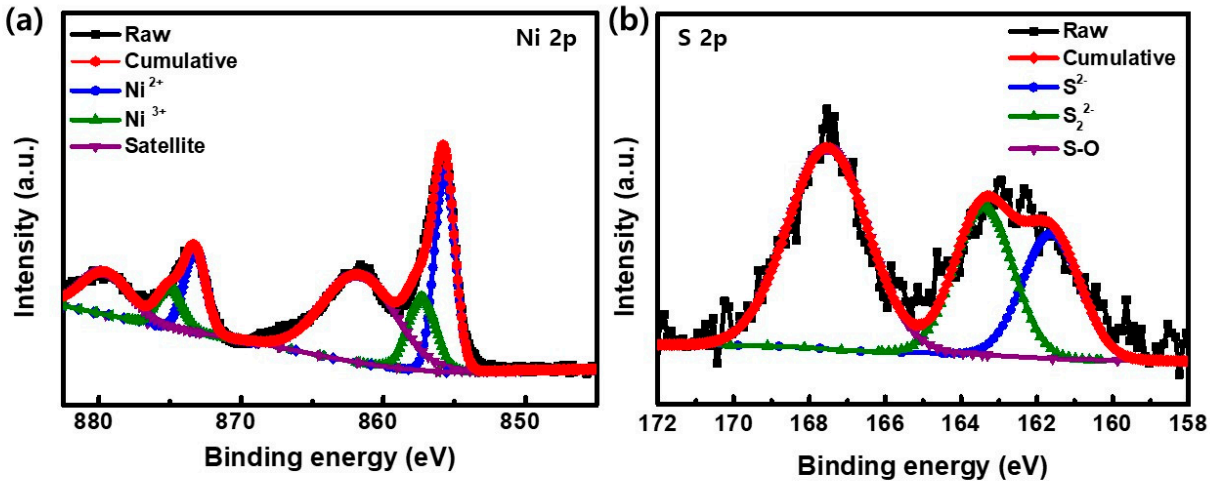

Figure S4. X-ray photoelectron spectroscopy (XPS) of NiS_x/SUS after 2000 cycles in 1M KOH. (**a**) Ni 2p and (**b**) S 2p.