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Hydrothermal Synthesis and Pseudocapacitive Properties of Morphology Tuned Nickel Sulfide (NiS) Nanostructures

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EDS:

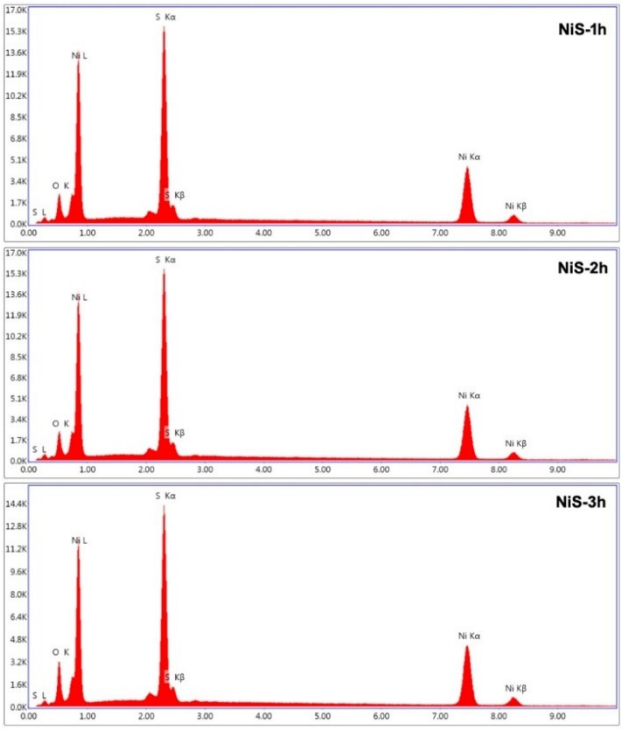

Fig. S1. EDS results of NiS with different time conditions.

Table S1. Atomic percent of the Ni and S molar ratios in three conditions Nis-1h, 2h, 3h

Element	NiS-1h	NiS-2h	NiS-3h
Ni	63.13	47.55	46.12
S	28.64	39.54	38.21
O	8.23	12.91	15.67

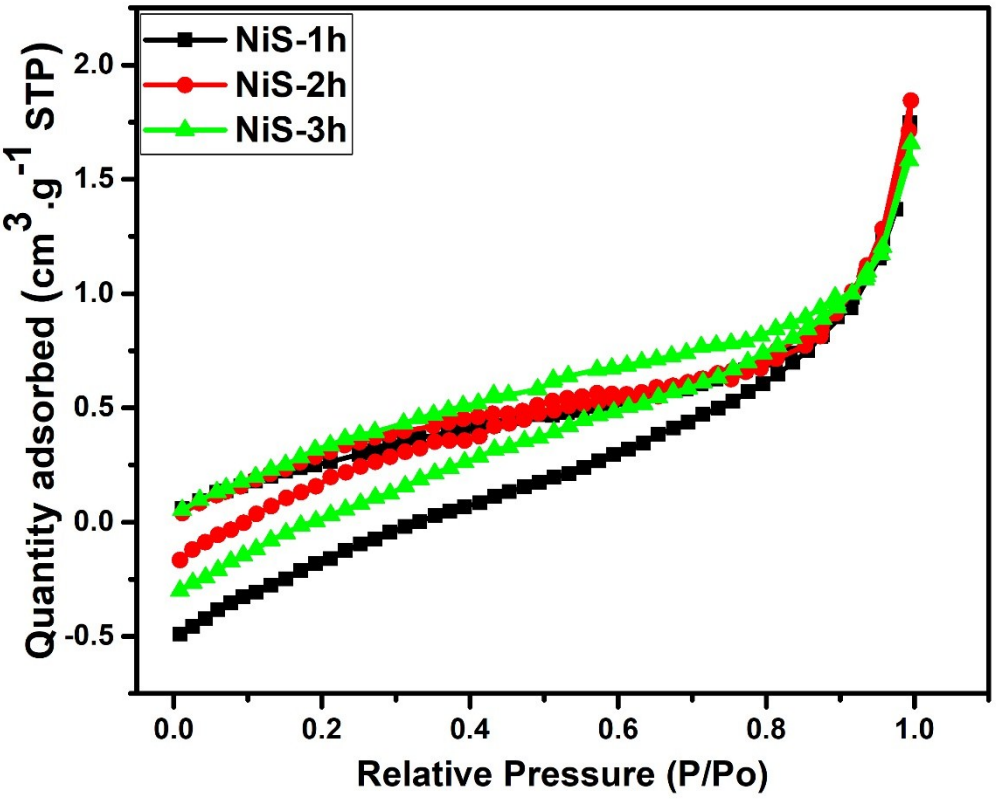

Fig. S2. BET analysis of NiS-1 h, NiS-2 h and NiS-3 h on nickel foam substrates.

XPS:

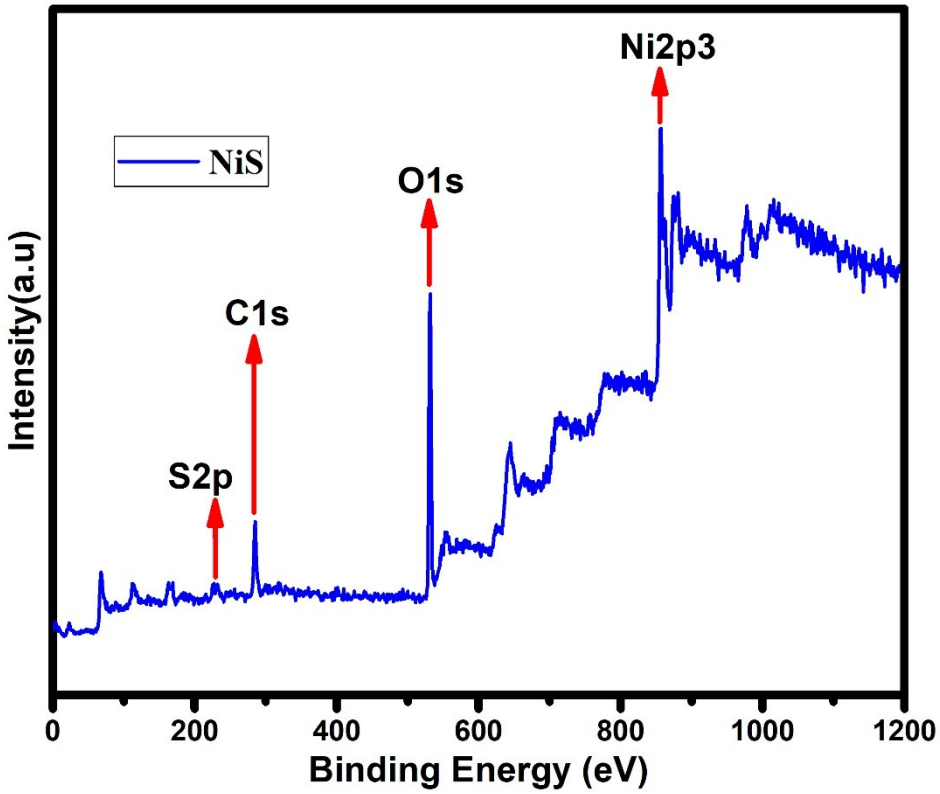

Fig. S3. XPS analysis of fabricated NiS electrode.

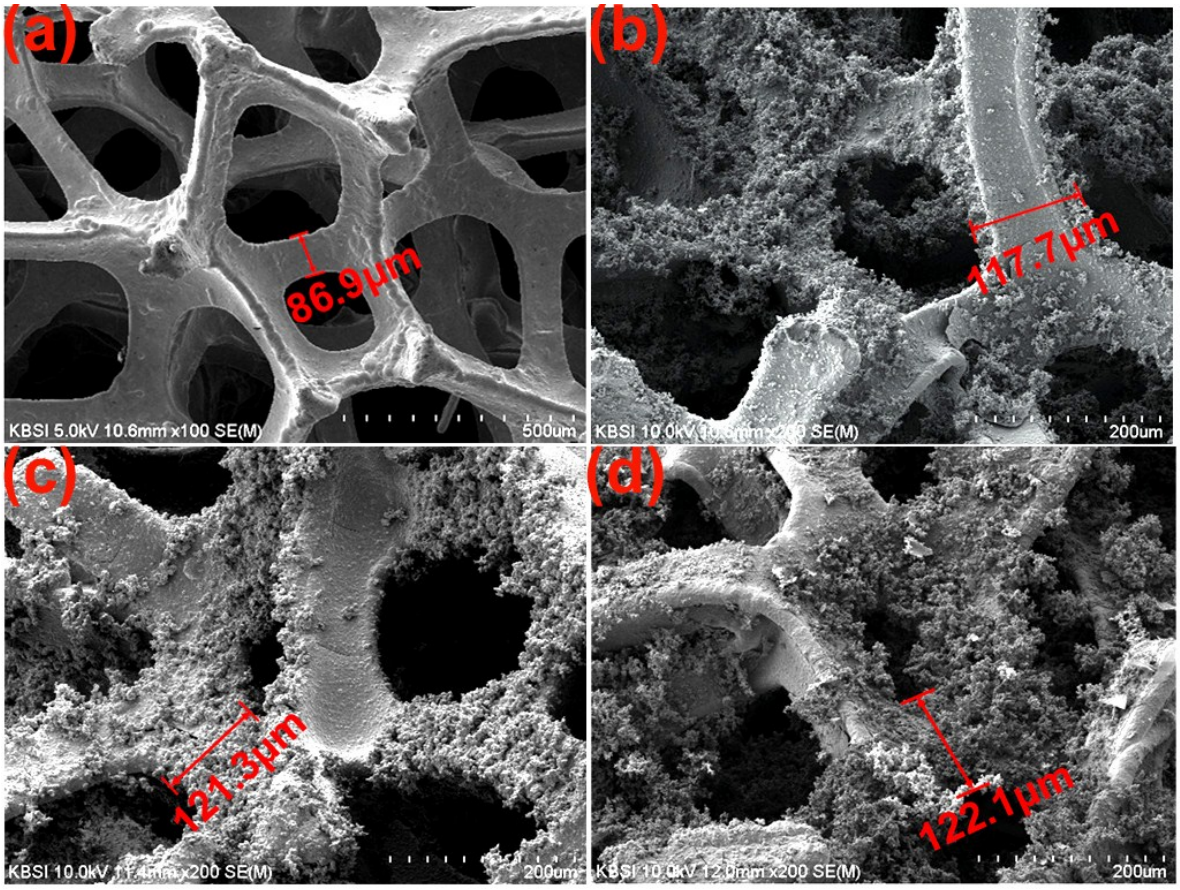

Fig. S4. Sectional SEM images and its Thickness of (a) nickel foam, (b) NiS-1h, (c) NiS-2h, (d) NiS-3h