3D petal-like Ni₃S₂/CoNi₂S₄ hybrid grown on Ni foam as binder-free electrode for energy storage

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Figure S1. XPS spectra of NCN samples and Co 2p (a), Ni 2p (b) and S 2p (c) for

NCN-1. Co 2p (d), Ni 2p (e) and S 2p (f) for NCN-3.



Figure S2. Mass specific capacity vs. current densities of NCN samples(a); Cycling

stability of NCN samples at the current density of 20 mA cm⁻² (b).



Figure S3. GCD curves of the ASCs collected over different voltages (from 0-1.0 to 0-1.7 V) at a current density of 5 mA cm⁻².

Table S1. Coulombic Efficiency of the ASCs collected over different voltage	es (from
0-1.0 to 0-1.7 V) at a current density of 5 mA cm ⁻² .	

Voltage	0-1.0	0-1.1	0-1.2	0-1.3	0-1.4	0-1.5	0-1.6	0-1.65	0-1.7
Window(V)									
Coulombic	97.27	96.77	96.68	96.70	96.86	96.54	95.4	94.32	94.07
Efficiency									
(%)									



Figure S4. Energy density vs. power density of $Ni_3S_2/CoNi_2S_4//AC$ cell