Supplementary Materials for

Sandwich-like NiCo Layered Double Hydroxides/Reduced Graphene Oxide Nanocomposite Cathode for High Energy Density Asymmetric Supercapacitors

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Fig. S1. (a) SEM image and corresponding EDX elemental mapping images of O, Ni and Co, and (b) EDX spectrum of LDH/rGO
Fig. S2. SEM image of LDH

Fig. S3. N2 adsorption/desorption isotherms and pore size distribution (inset) of Ni2Co-LDH and Ni2Co-LDH/rGO composite.
Fig. S4. GCD curves of sample (a) LDH electrode and (b) LDH/rGO electrode at different current density.

Fig. S5. GCD curves of sample (a) 1-2 LDH/rGO and (b) 4-1 LDH/rGO electrode at different current density.

Fig. S6. SEM images of 1-2 LDH/rGO (a), 2-1 LDH/rGO, and 4-1 LDH/rGO (b).
Fig. S7. N$_2$ adsorption/desorption isotherms of the LDH/rGO with different Ni/Co ratios.

(a) SEM image, (b) CV curves at different scan rates, (c) GCD curves at various current densities, and (d) calculated specific capacitance of rGO electrode.