

## Supporting Information

# Lotus Root Type Nickel Oxide-Carbon Nanofibers: A Hybrid Supercapacitor Electrode Material

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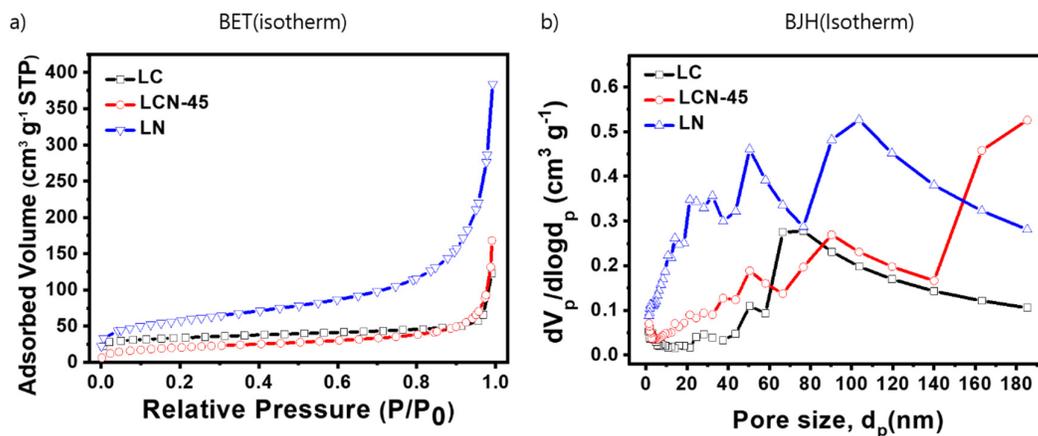


Figure S1. (a) Adsorption isotherms and (b) Pore size distribution graphs of LC, LCN-45, and LN.

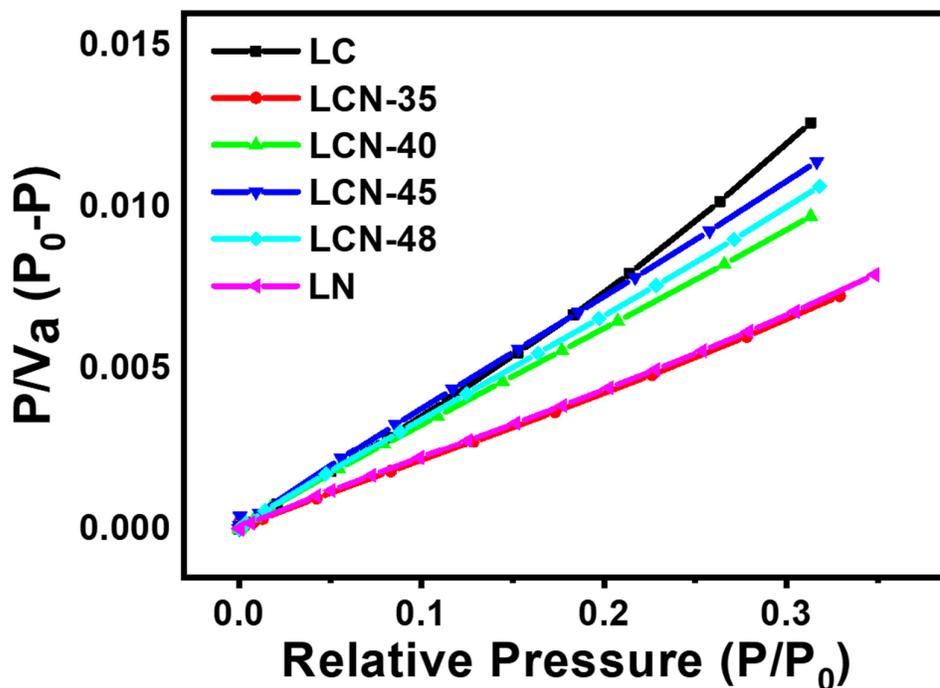
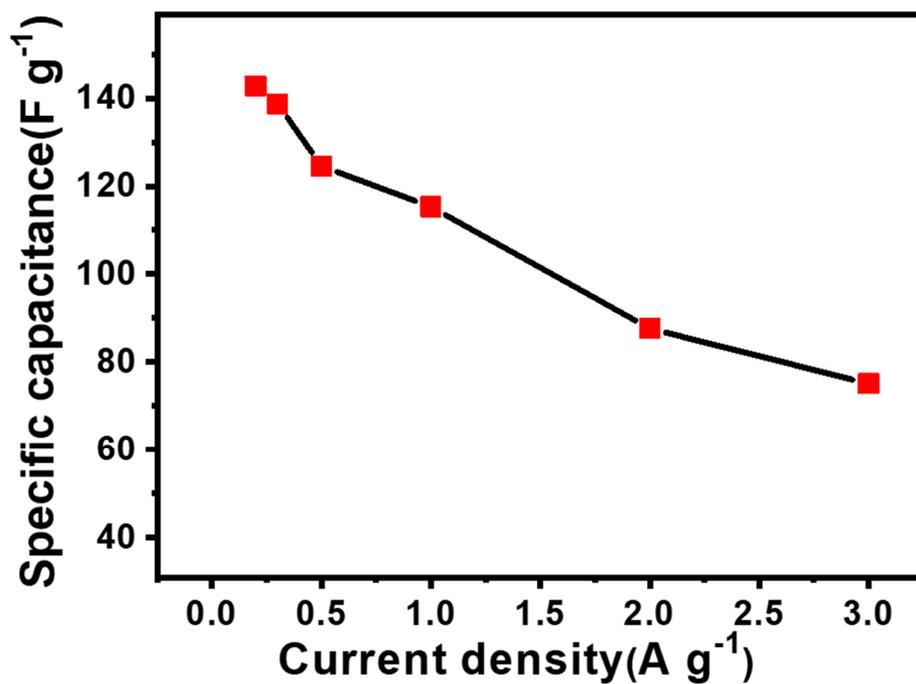


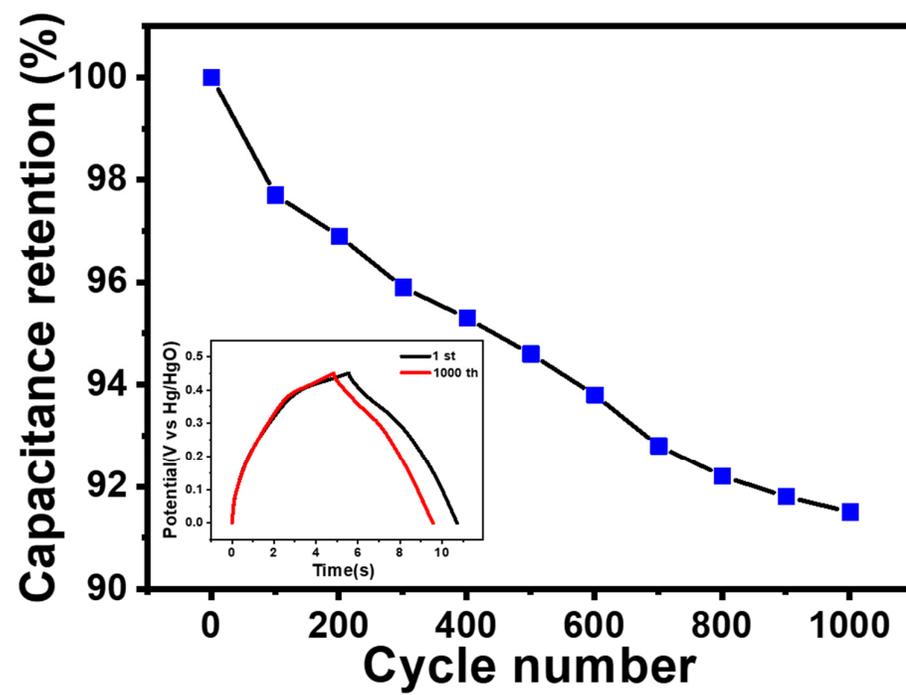
Figure S2. BET plots of LC, LCN series, and LN samples.

**Table S1.** Adsorption characteristics of LC, LCN series, and LN.

Sample	BET Surface Area ( $\text{m}^2 \text{g}^{-1}$ )	Total pore Volume ( $\text{cm}^3 \text{g}^{-1}$ )
LC	124.71	0.19
LCN-35	209.89	0.11
LCN-40	142.98	0.07
LCN-45	122.91	0.06
LCN-48	133.34	0.07
LN	205.68	0.57



**Figure S3.** Specific capacitances of LCN-45 electrode calculated from Figure 6b.



**Figure S4.** Cycle stability of LN electrode at  $1.0 \text{ A g}^{-1}$  (Inset shows the GCD curves of the 1<sup>st</sup> and 1000<sup>th</sup> cycles).