Electronic Supplementary Information

Hollow nanoparticle-assembled hierarchical $NiCo_2O_4$ nanofibers with enhanced electrochemical performance for lithium-ion batteries

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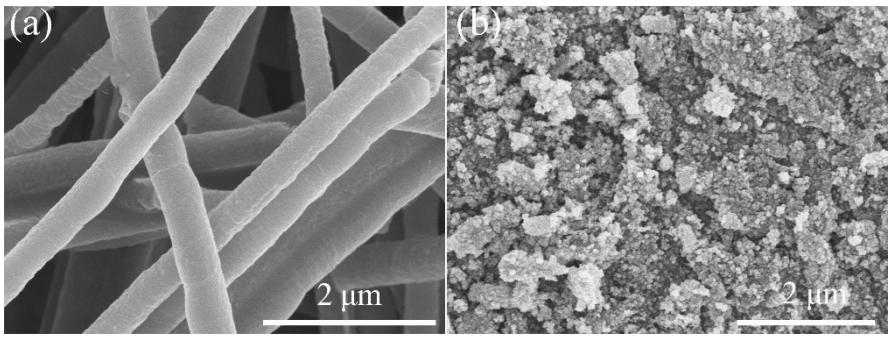

Fig. S1 (a) SEM of precursor nanofibers, (b) SEM of NCO obtained by direct calcination under air.

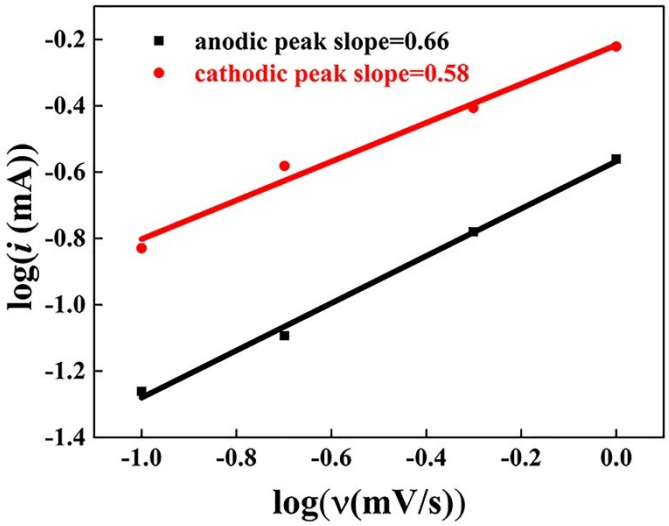

Fig. S2 Determination of b value via linear fitting of peak current and scan rate in Fig 8(b).

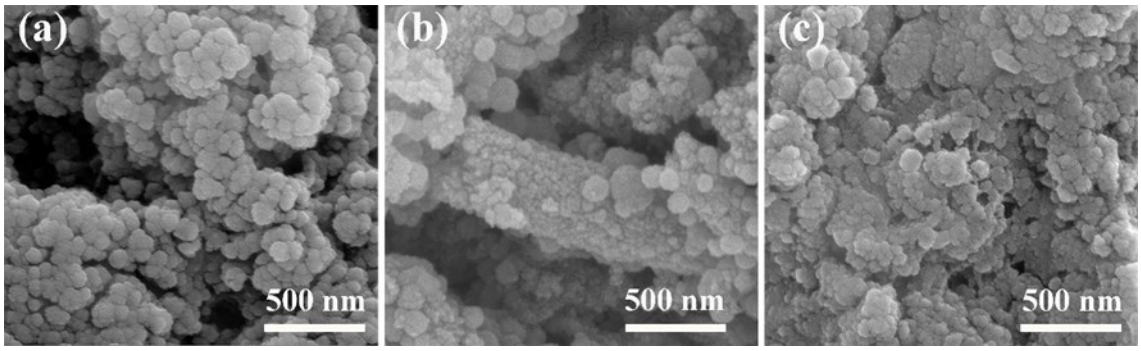

Fig. S3 (a) SEM image of NCO-500-400 electrode after 120 cycles; (b) SEM image of NCO-600-400 electrode after 120 cycles; (c) SEM image of NCO-700-400 electrode after 120 cycles.

Table S1 Comparison of specific capacity of $NiCo_2O_4$ as anodes for LIBs

Material structure	Current density ($mA\ g^{-1}$)	Cycle number	Reversible capacity ($mAh\ g^{-1}$)	Ref.
Nanosheets	100	50	767	1
Hexagonal nanoplates	60	50	918	2
Porous flower-like	100	60	939	3
Microspheres	100	50	729	4
Hollow spheres	100	50	765	5
Nanosheets	100	100	804.8	6
Nanocomposites	40	50	715.8	7
Hollow nanoparticle-nanofiber	**100**	**120**	**926.2**	**This work**

Reference

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