Electronic Supplementary Material (ESI) for Nanoscale
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Electronic Supplementary Information

Facile Synthesis of Novel Tunable Highly porous CuO Nanorods for High Rate Lithium Battery Anode with Realized Long Cycle Life and High Reversible Capacity

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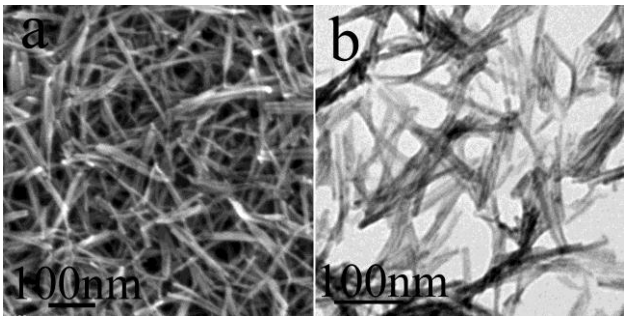

Fig. S1 (a) SEM image of $Cu(OH)_2$ nanorods; (b) TEM image of $Cu(OH)_2$ nanorods

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Fig. S2 The results obtained by **C**u(OH)$_2$ nanorods directly calcined at different temperatures

Sample	Heat-treatment temperature(^{0}C)	The target products
Cu(OH)$_2$ nanorods	50	Cu(OH)$_2$ nanorods
	100	Cu(OH)$_2$ nanorods
	200	CuO particles (most)+ CuO nanorods (little)
	400	CuO particles

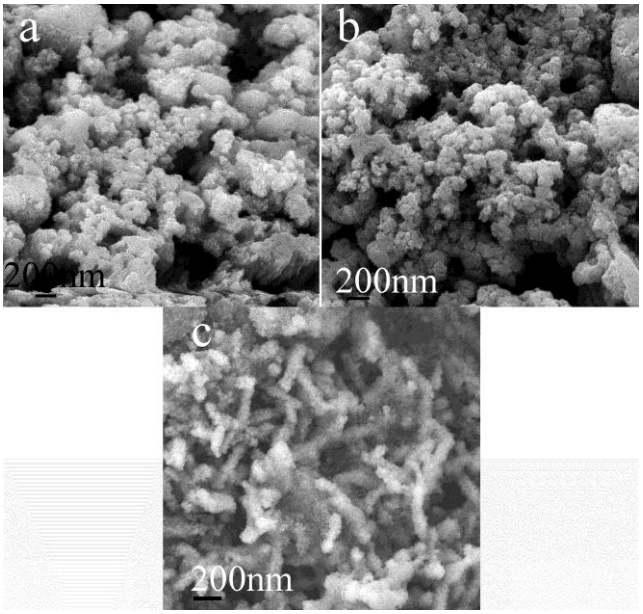

Fig. S3 The SEM images of the three electrodes after cycling**:** (a) sample A; (b) sample B; (c) sample C.

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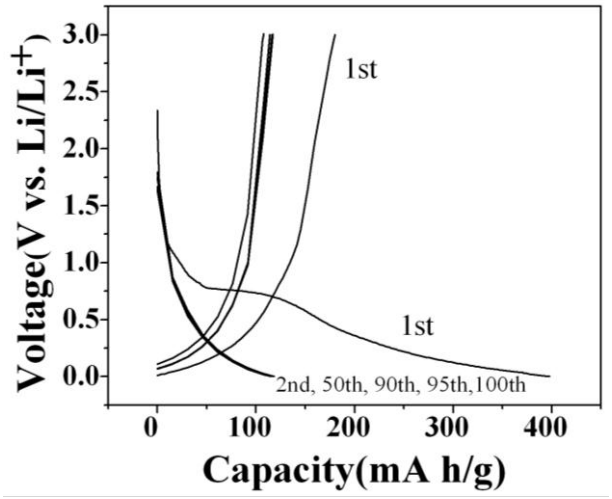

Fig. S4 The discharge-charge profiles of acetylene black.