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Supporting Information

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Donut-Shaped $Li_4Ti_5O_{12}$ Structures as a High Performance Anode Material for Lithium Ion Batteries

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Supporting Information

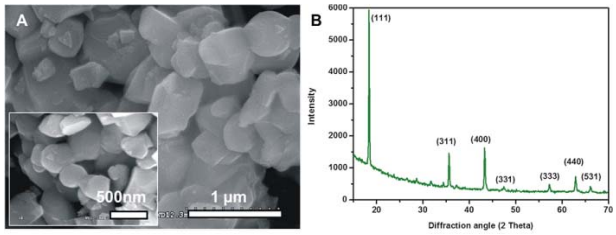

Figure S1. FESEM and XRD pattern of commercial LTO

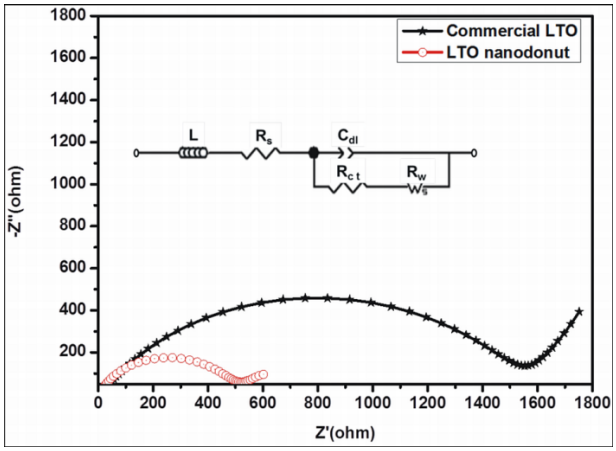

Figure S2. EIS Nyquist plot comparison of LTO sub-micron donuts and commercial LTO at 10 mV . An equivalent circuit for the same is also provided in the inset.

Electrochemical impedance curve fitting results on LTO sub-micron donuts and commercial LTO

Sl. No		R_s (Ω)	C_{dl} (µF)	R_{ct} (Ω)
1.	Commercial LTO	11.93	22.51	1561
2.	LTO sub-micron donuts	4.79	24.12	484.9

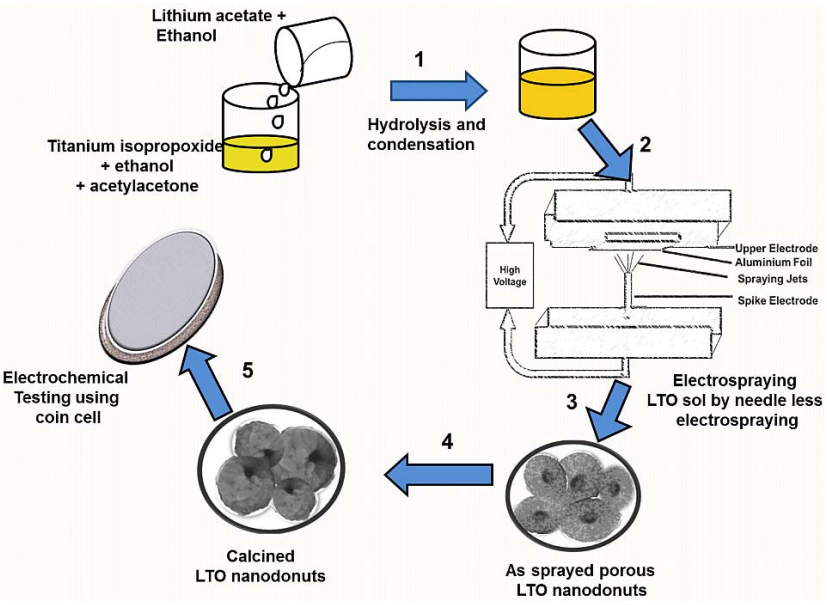

Figure S3. Schematic showing formation of LTO sub-micron donuts by sol-gel electrospinning for lithium ion battery application