

Synthesis and Recyclability of Sheet-like Cobalt Carbonate Recovered from Spent Li-Ion Batteries using a Simple Hydrometallurgy Process

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Supplementary Materials

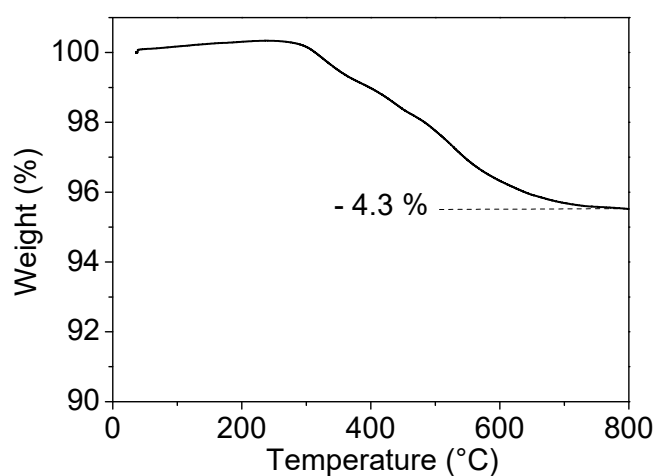


Figure S1. TGA curve of as-extracted LCO black material.

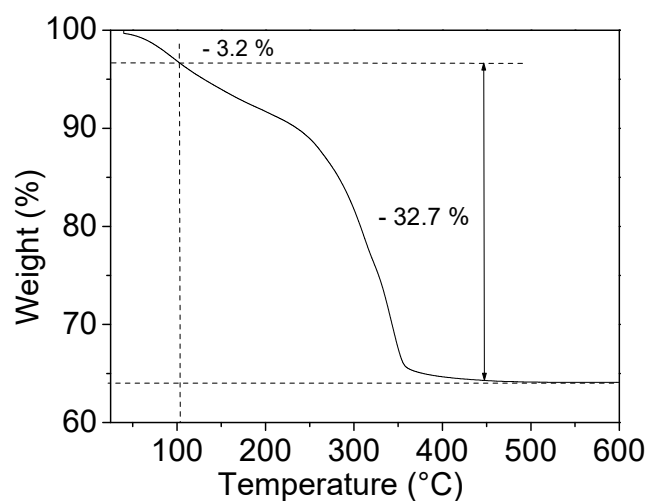


Figure S2. TGA curve of sheet-like cobalt carbonate (CoCO_3) recovered from spent LCO battery.

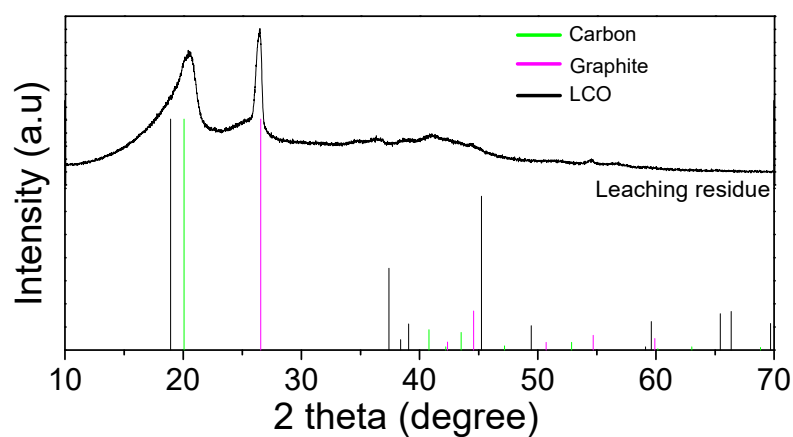


Figure S3. XRD pattern of the leaching solid residue resulting from the acid leaching step.

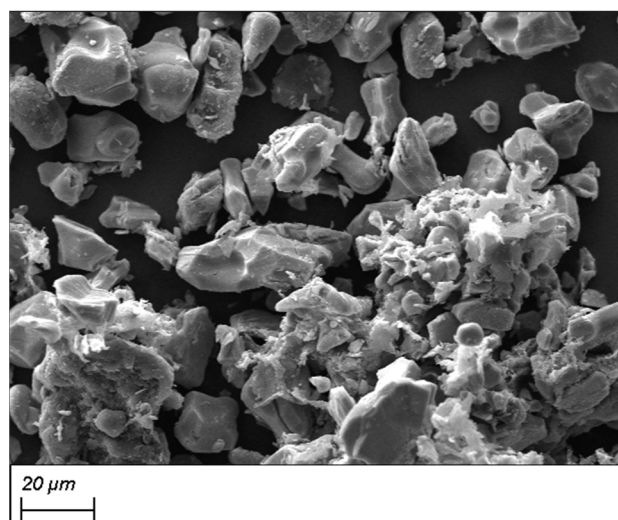


Figure S4. SEM image of LCO_{Com} synthesized from commercial Li/Co precursors using solid-state reaction.

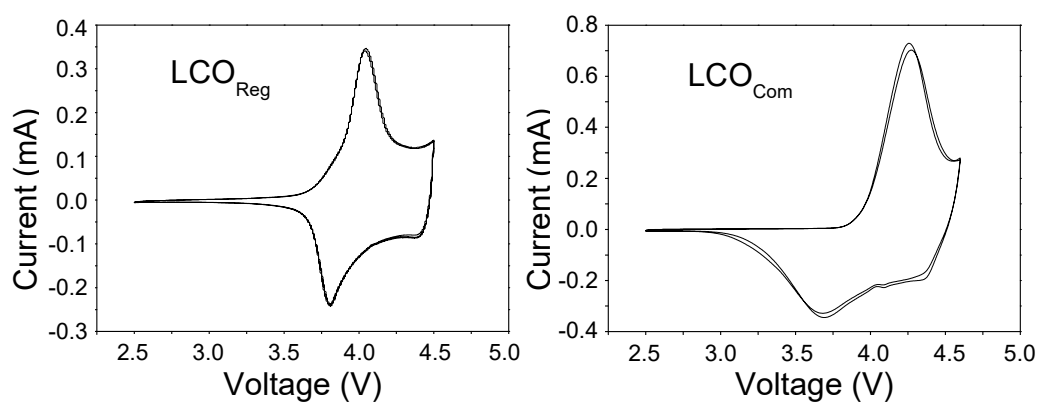


Figure S5. Cyclic voltammograms of LCO_{Reg} and LCO_{Com}.