

Utilizing the Intrinsic Thermal Instability of Swedenborgite Structured $\text{YBaCo}_4\text{O}_{7+\delta}$ as an Opportunity for Material Engineering in Lithium-Ion Batteries by Er and Ga Co-Doping Processes

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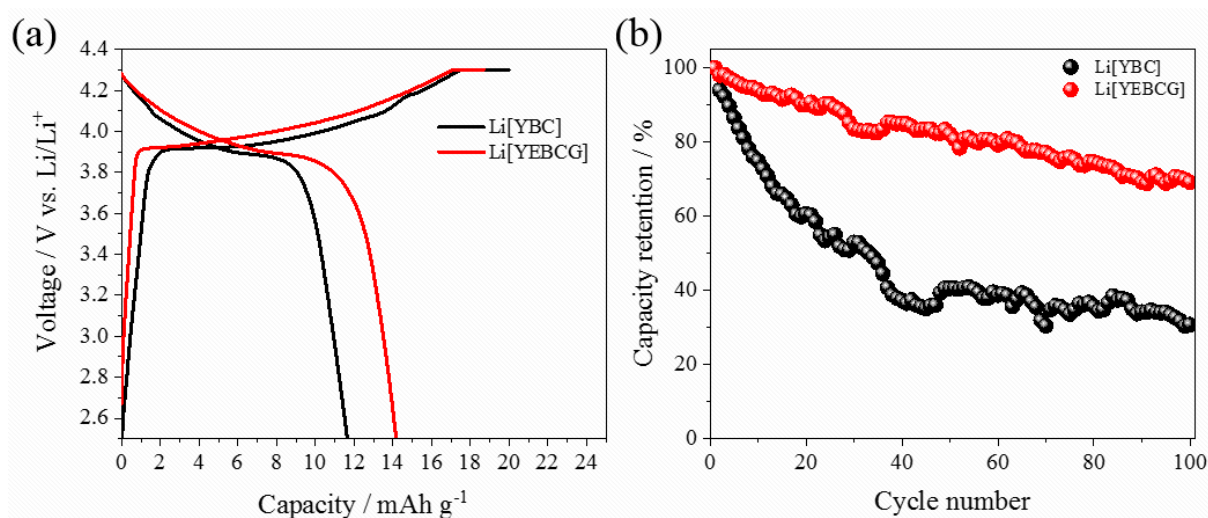


Figure S1. (a) Initial charge/discharge curves and (b) long-term cycle performance of Li[YBC] and Li[YEBCG] in a potential range of 2.5–4.3 V.

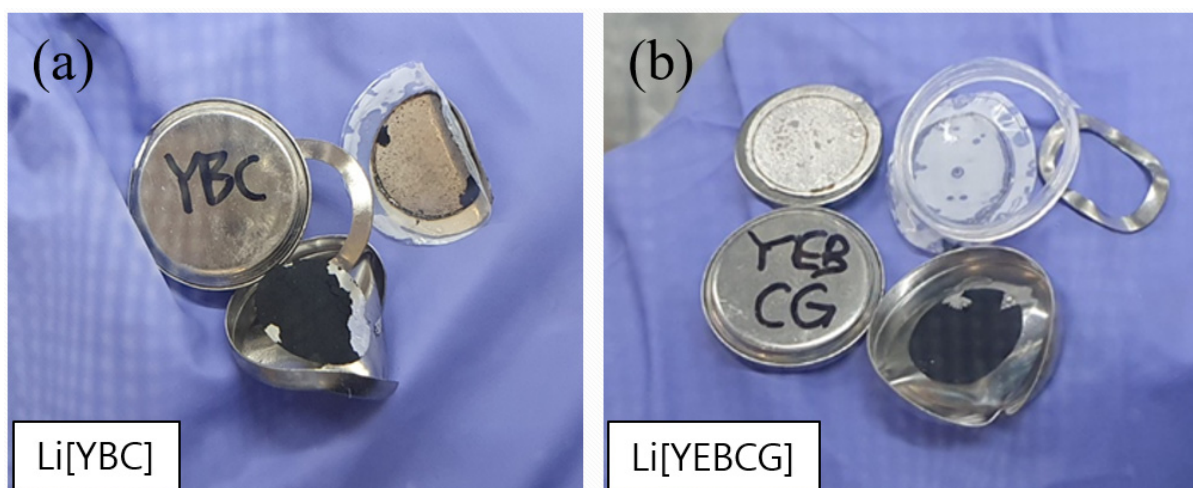


Figure S2. Comparative pictures of (a) Li[YBC] and (b) Li[YEBCG] after the cycling test, representing intrinsically weak adhesion property of Li[YBC] with current collectors.

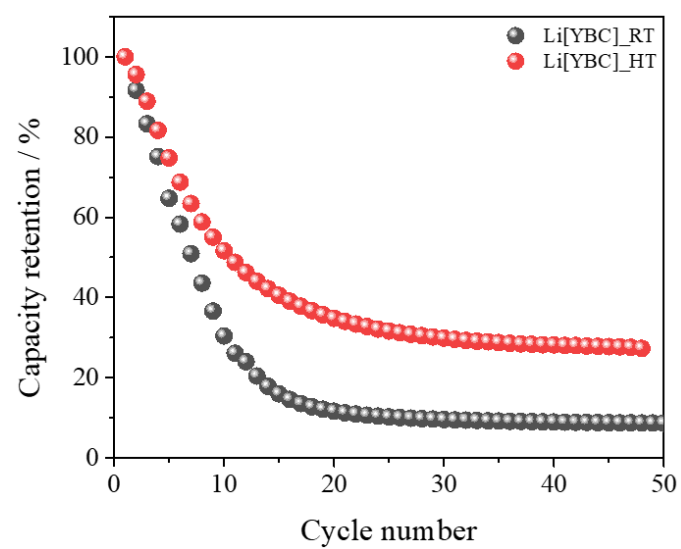


Figure S3. Cycle performance of Li[YBC] at different temperatures of 25 and 60 °C.