

Electronic supplementary information

Peanut-like hierarchical micro/nano $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.18}\text{Co}_{0.08}\text{O}_2$ cathode material for lithium-ion batteries with enhanced electrochemical performance

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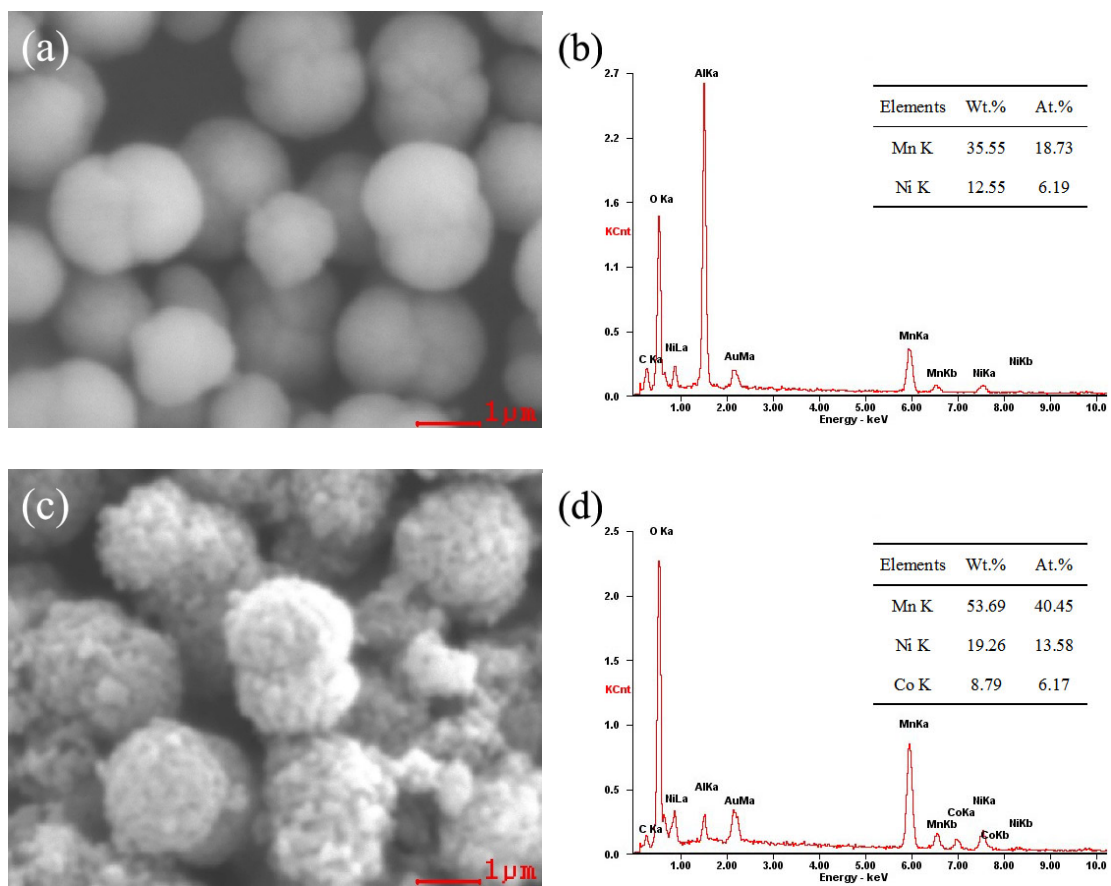


Fig. S1 EDX results of (a, b) $\text{Mn}_{0.75}\text{Ni}_{0.25}\text{CO}_3$ precursor, and (c, d) P-LMNCO.

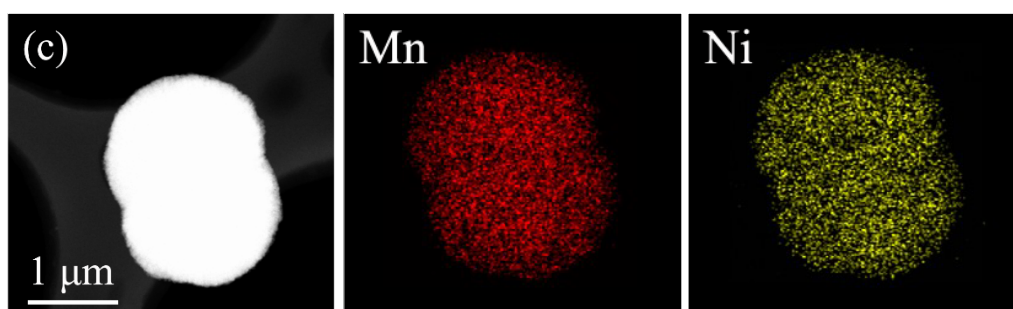
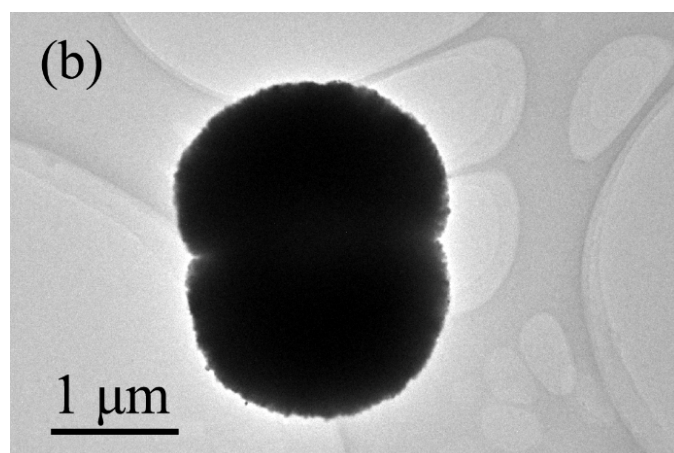
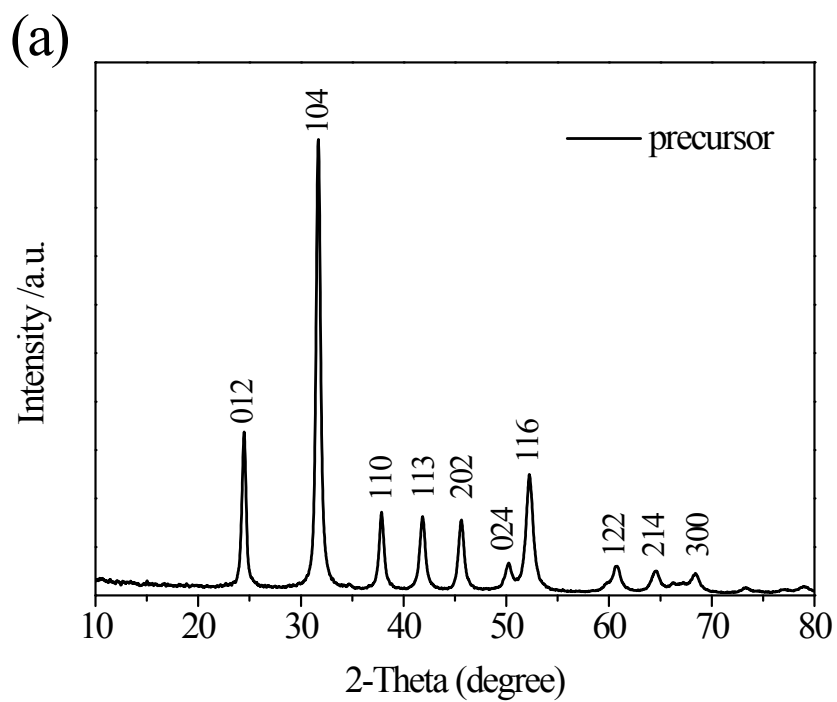


Fig. S2 (a) XRD pattern, (b) TEM image and (c) EDX mapping of $\text{Mn}_{0.75}\text{Ni}_{0.25}\text{CO}_3$ precursor.

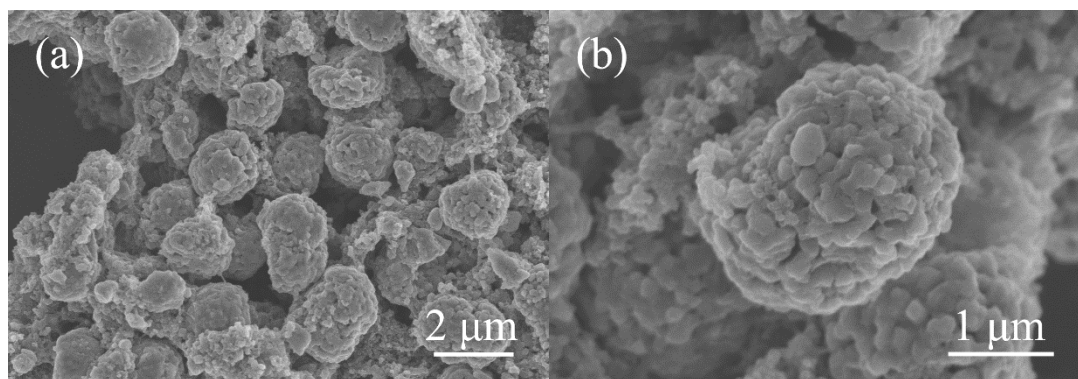


Fig. S3 SEM images of P-LMNCO after 100 cycles at a current density of 200 mA g⁻¹