

## Supplementary Information

### Constructing heterostructured Li-Fe-Ni-Mn-O cathodes for lithium-ion batteries: Effective improvement of ultrafast lithium storage

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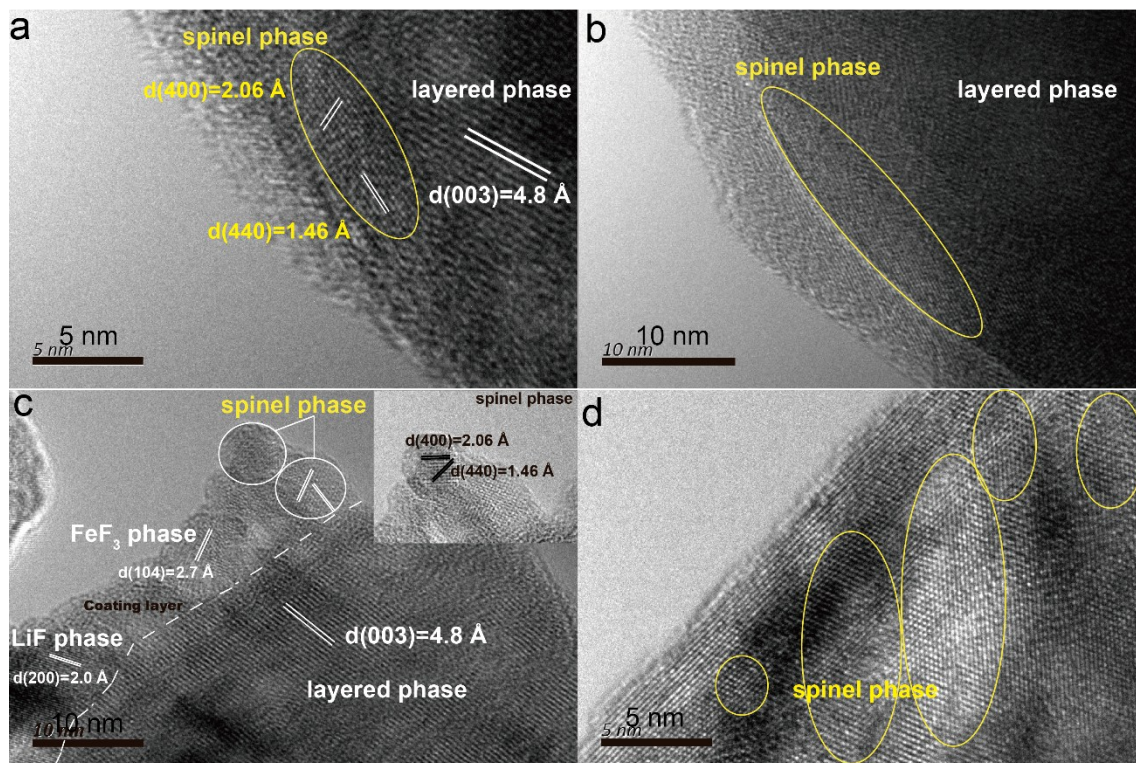


Fig. S1 HRTEM images of (a) FCL-5, (b) FCL-7, and (c, d) FCL-10 in different areas.

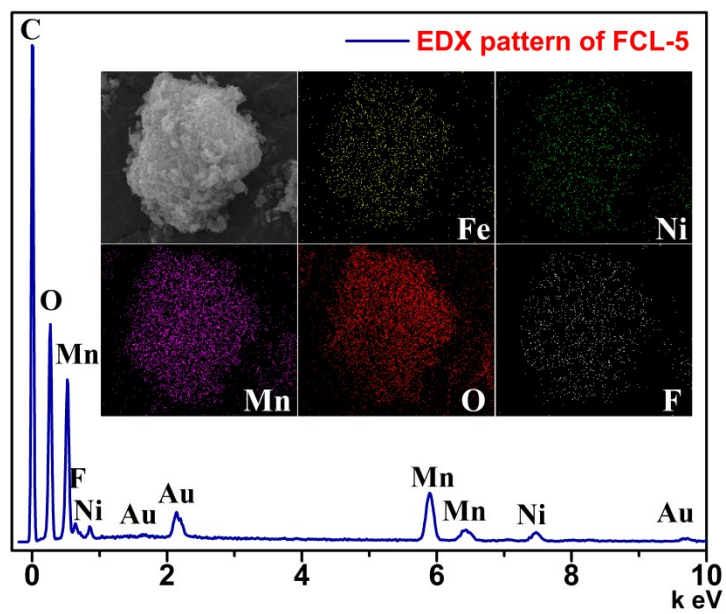


Fig. S2 EDX pattern and the element mappings of FCL-5.