

Supplementary data

Lanthanum Ion (La^{3+}) substituted CoFe_2O_4 anode material for lithium ion Battery applications

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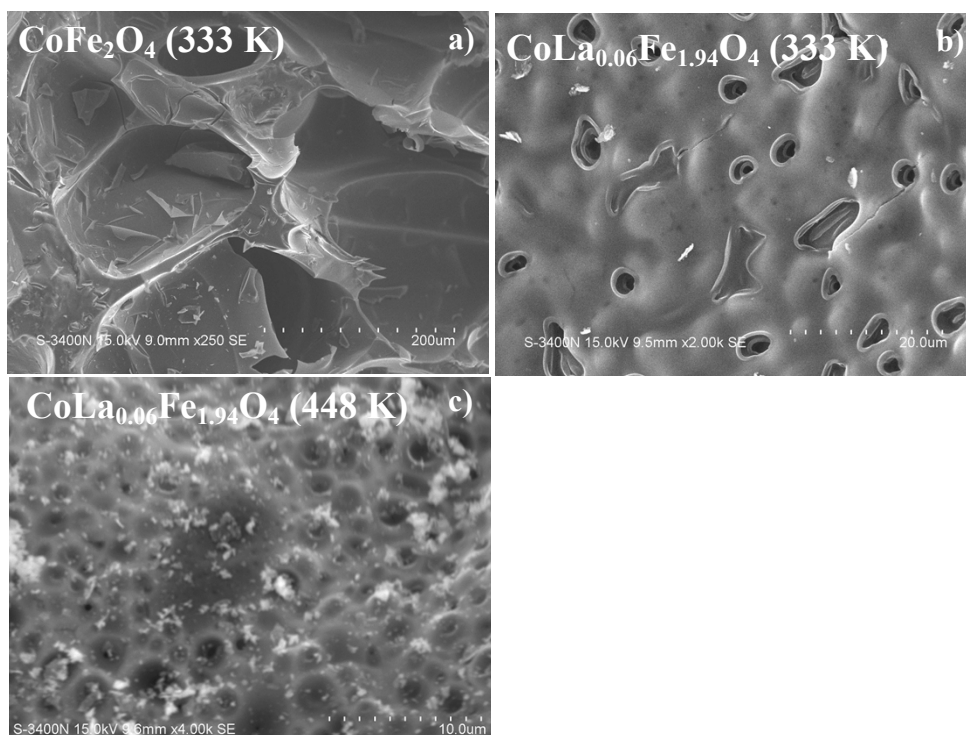


Figure S1. SEM images of a) CoFe_2O_4 polymeric intermediate dried at 333 K b) $\text{CoLa}_{0.06}\text{Fe}_{1.94}\text{O}_4$ polymeric intermediate dried at 333K and c) $\text{CoLa}_{0.06}\text{Fe}_{1.94}\text{O}_4$ polymeric intermediate dried at 448K.

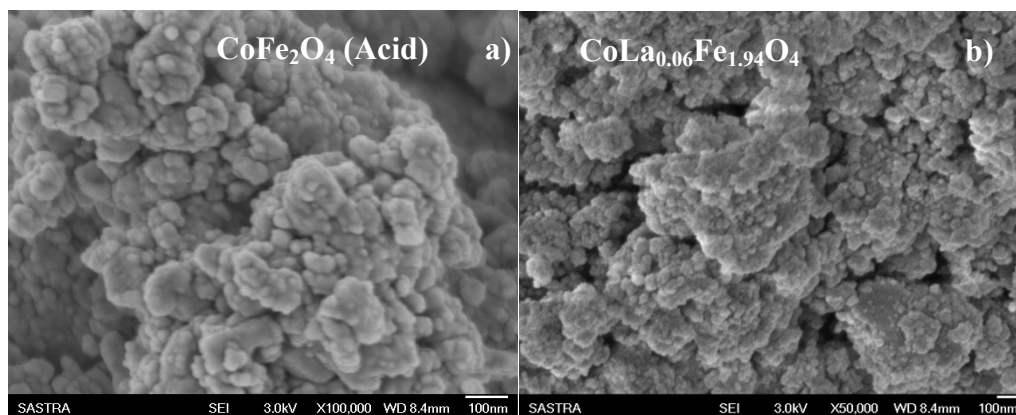


Figure S2. FESEM images of a) CoFe_2O_4 sample calcined at 623 K b) $\text{CoLa}_{0.06}\text{Fe}_{1.94}\text{O}_4$ sample calcined at 773K

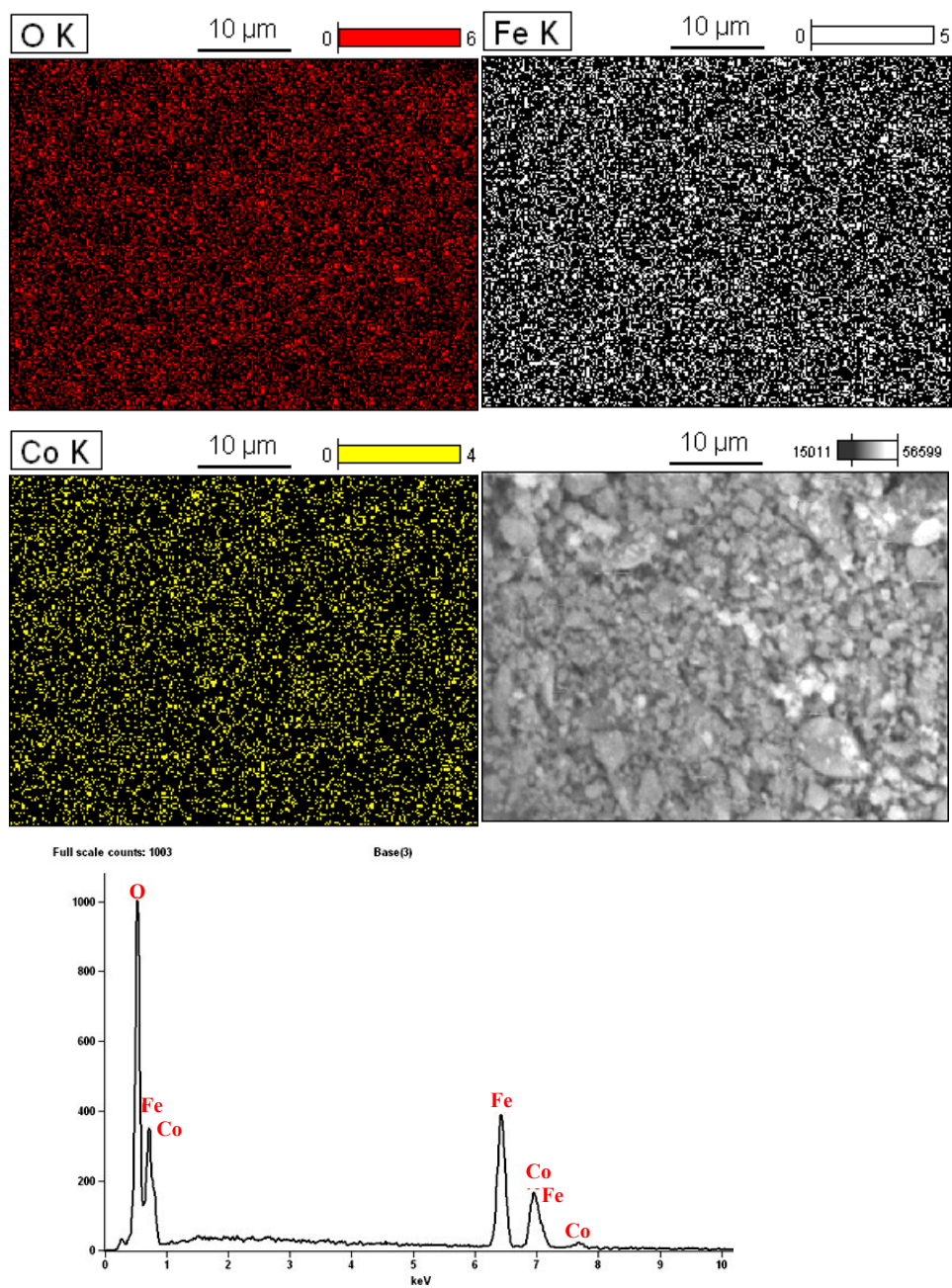


Figure S3. SEM-EDS mapping and spectrum results of CoFe_2O_4 sample obtained at 623 K.

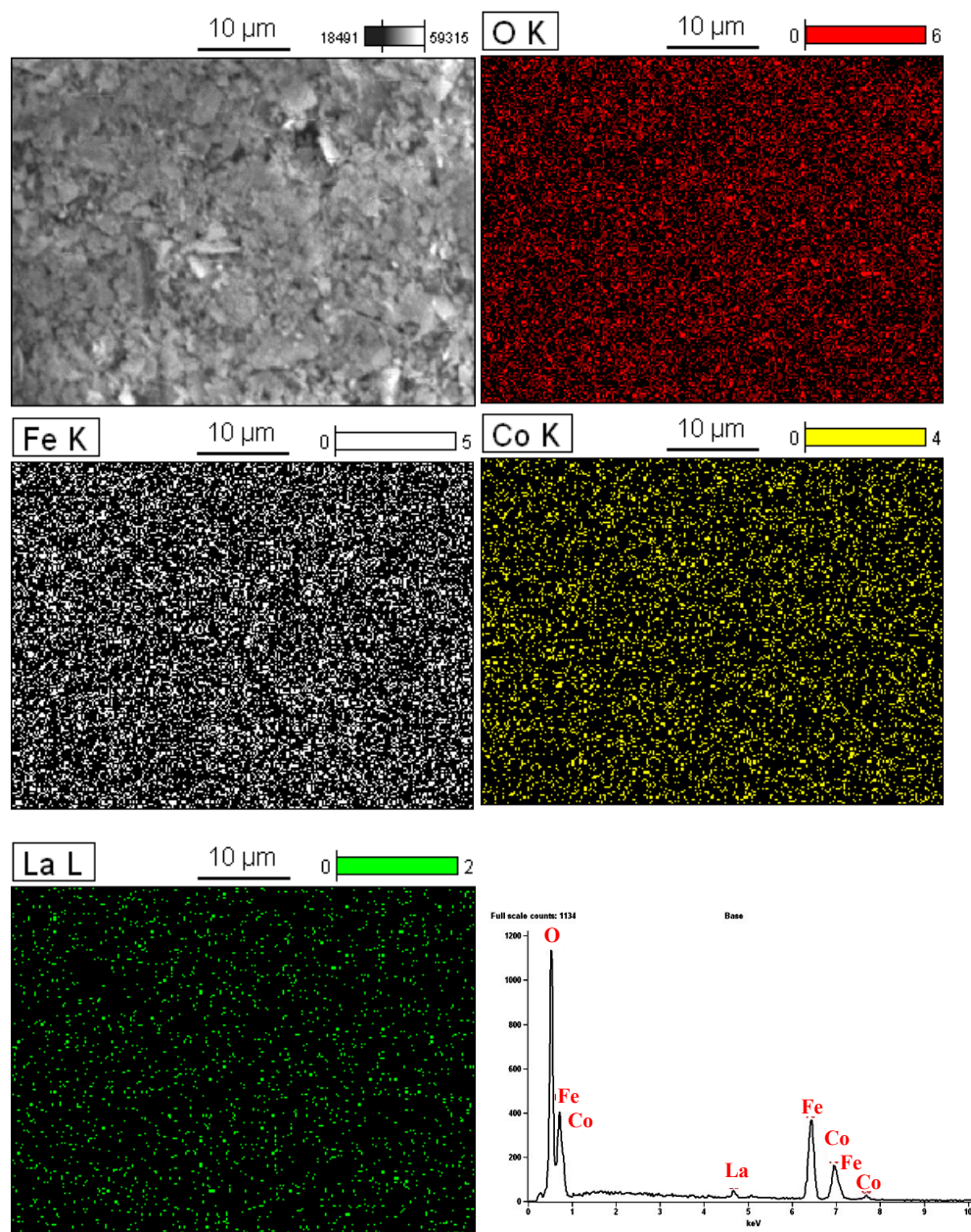


Figure S4. SEM-EDS mapping and spectrum results of $\text{CoLa}_{0.06}\text{Fe}_{1.94}\text{O}_4$ sample obtained at 773 K.