Supplementary Information

Rapid combustion route to high-performance nanocrystalline cathode materials for Li-ion batteries

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Fig. S1 Cycling performances (charged and discharged at 100 mA/g) of LiMn\(_2\)O\(_4\) obtained with different amounts of final products using 10 mL solution in one pot.
Fig. S2 (a) XRD pattern and (b) cycling performance (charged and discharged at 100 mA/g) of one step LMO750. The standard pattern of LiMn$_2$O$_4$ (JCPDS 18-736) is shown for reference.
Fig. S3 (a) FESEM and (b) EDS images of LiCo$_{0.95}$Mn$_{0.05}$O$_2$, (c) rate capabilities of LiCoO$_2$ and LiCo$_{0.95}$Mn$_{0.05}$O$_2$. 