Porous Cobalt-Manganese Oxide Nanocubes Derived from Metal Organic Frameworks as Cathode Catalysts for Rechargeable Li-O₂ Batteries

Jian Zhang,ᵃᵇ Liangjun Wang,ᶜ Leilei Xu,ᵇ Xiaoming Ge,ᵈ Xiao Zhao,ᵇ Min Lai,ᵃ Zhaolin Liu,ᵈ* and Wei Chenᵇcep

**Fig. S1** Photographic images of the Li-O₂ battery system and schematic of modified coin cell

**Fig. S2** The XRD pattern of Mn₃[Co(CN)₆]₂•9H₂O precursors
Fig. S3 Thermogravimetry (TG) of Mn$_3$[Co(CN)$_6$]$_2$•9H$_2$O precursors

Fig. S4 First discharge-charge curves of Li-O$_2$ batteries with (a) VX-72 carbon and (b) porous Co-Mn-O nanocubes electrodes at various current densities.

Fig. S5 XRD pattern of porous Co-Mn-O electrode before and after 1st discharge