Supporting information

Vinyltriethoxysilane as an electrolyte additive to improve the safety of lithium-ion batteries

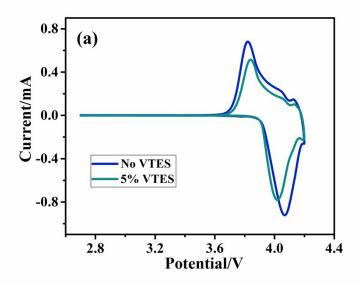
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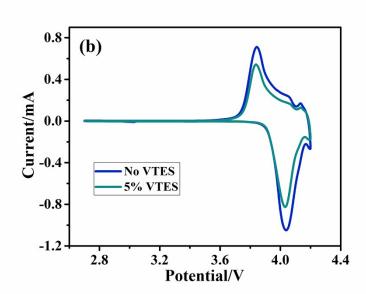


Fig. S1 Cyclic voltammetry curves of $LiCoO_2$ in electrolytes with and without VTES additive at a scan rate of 0.1 mV·s⁻¹: (a) 1st cycle; (b) 2nd cycle.

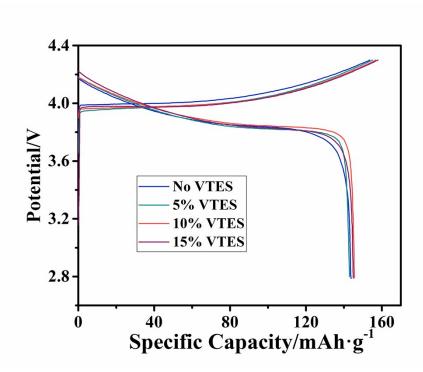


Fig. S2 Charge–discharge curve performance of LiCoO₂/Li cell using 1 M LiPF₆/EC:EMC:DMC (1:1:1, v/v/v) as electrolytes with and without VTES.