

Fig. S1 High magnified image of a single chestnut-like $\text{MnO}_2\text{-S}$ particle.

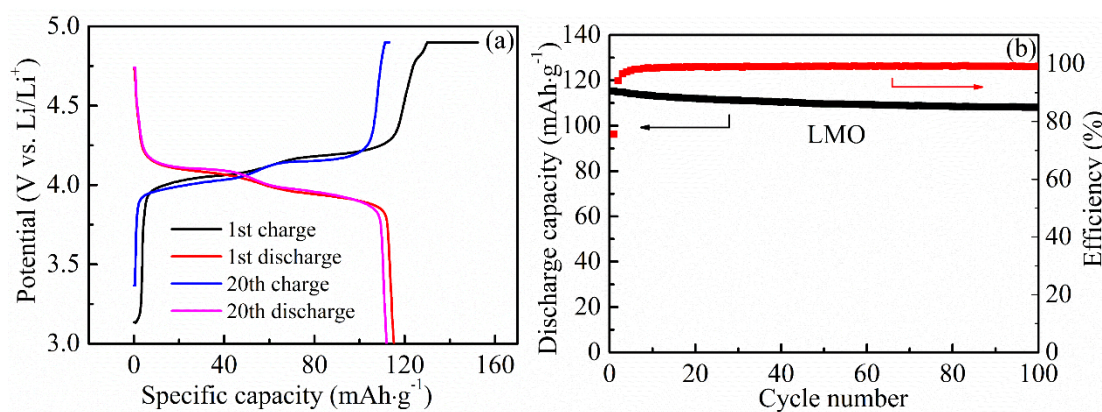


Fig. S2 Electrochemical properties of LMO in the voltage range of 3.0-4.9 V (a) charge-discharge curve, (b) cycle performance at 1 C.