

Supplementary Information

for

Mesoporous Cr_2O_3 nanotubes as efficient catalyst for Li- O_2 batteries

with low charge potential and enhanced cyclic performance

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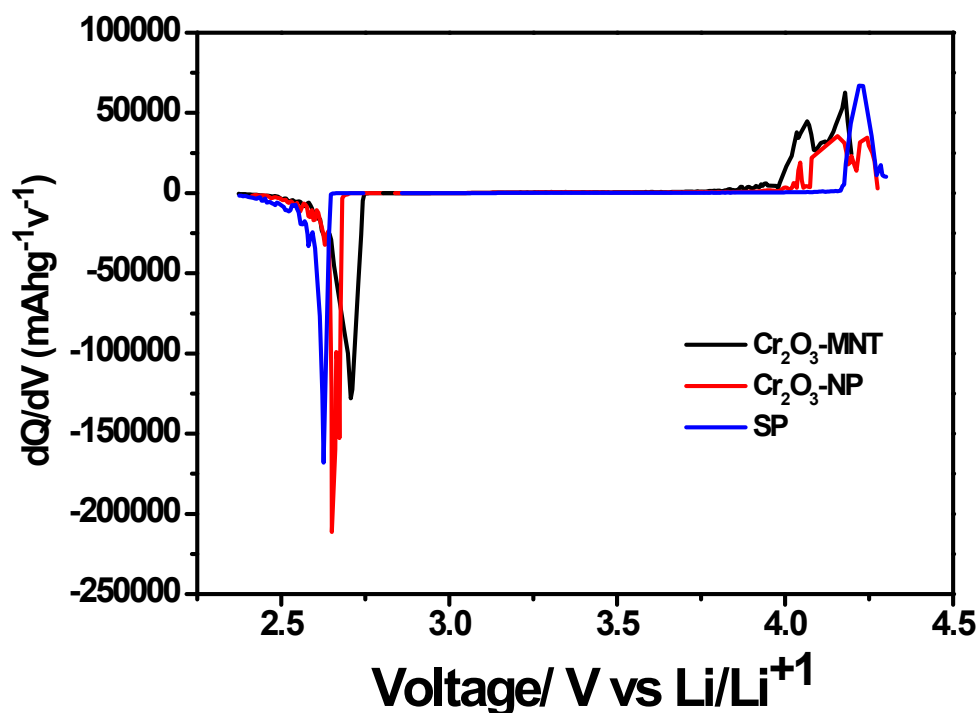


Fig. S1 Differential capacity plot obtained from Fig. 4(a) at a current density of 50mA g^{-1} (SP and Cr_2O_3 -NP are used for comparison)

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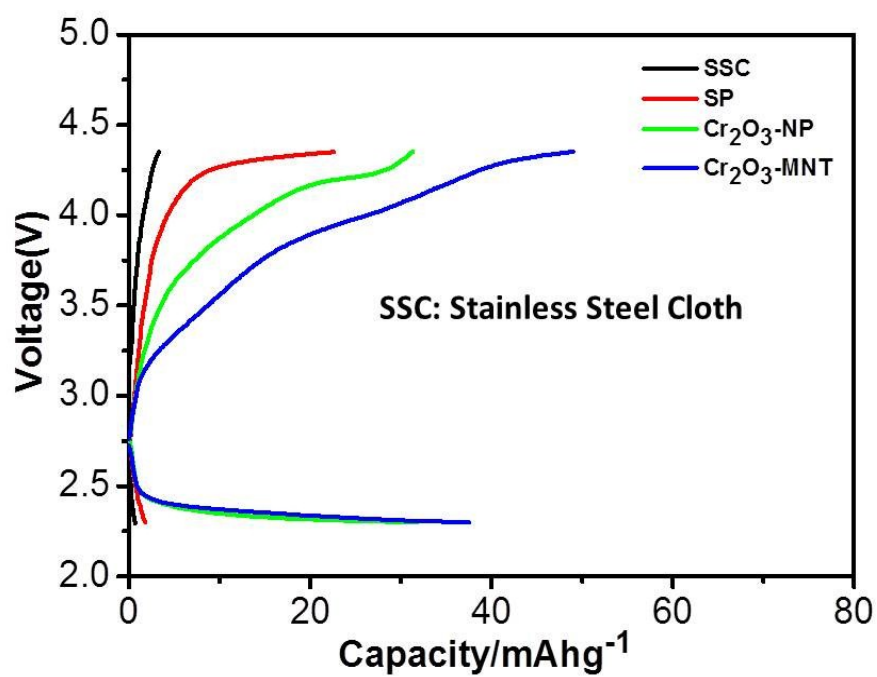


Fig. S2 The discharge capacities of three different electrodes in argon (Ar) atmosphere at 50 mA g⁻¹

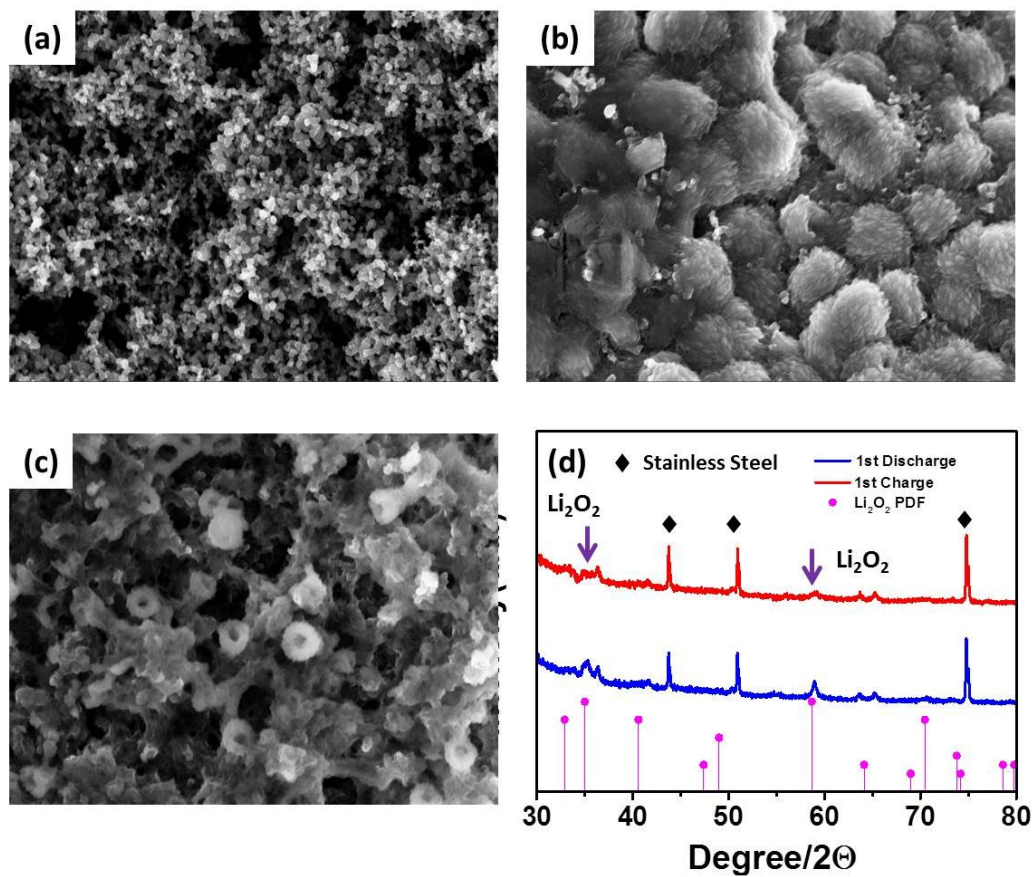


Fig. S3 Morphologies and XRD patterns of SP cathode when discharged and charged to 3,000 mAhg^{-1} ; (a) pristine, (b) discharged, and (c) charged, (d) XRD patterns