

Electronic Supplementary Information for
**Enhanced electrochemical performance of Li–O₂ battery based on
modifying the solid-state air cathode with Pd catalyst**

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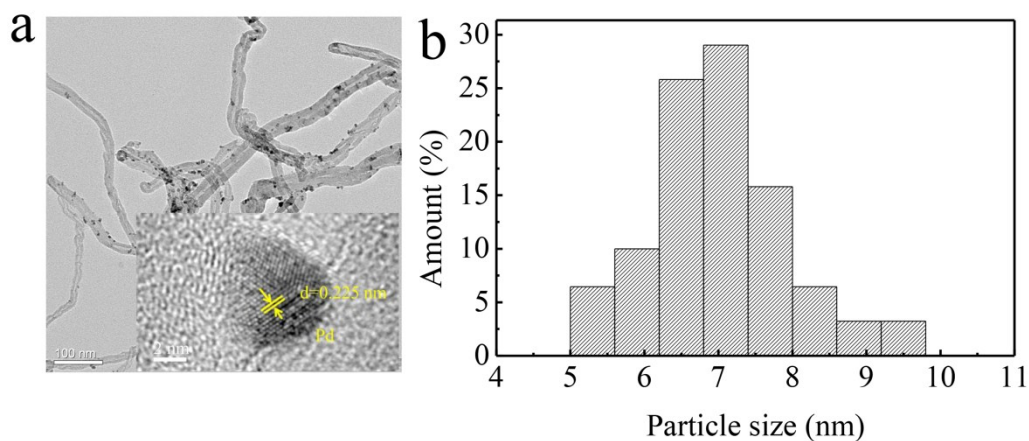


Fig. S1 (a) TEM image of the CNTs@Pd (inset shows HRTEM image of a single Pd particle). (b) The histogram image of the distribution of Pd particle size.

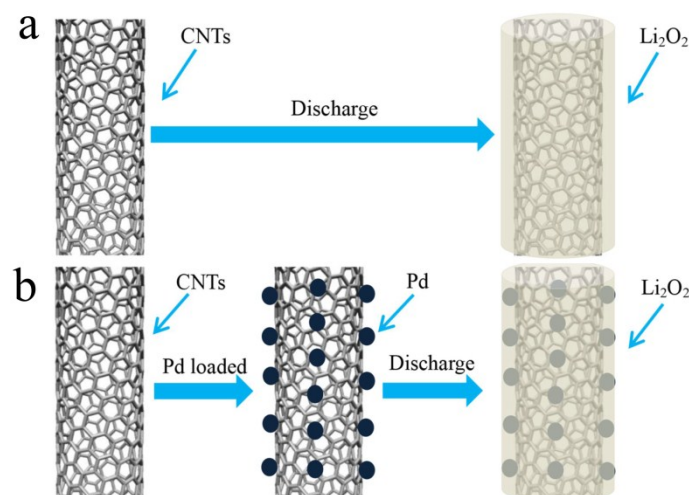


Fig. S2 Schematic diagram of the depositing of Li₂O₂ in CNTs (a) and the depositing of Pd nanoparticles on CNTs and the corresponding depositing of Li₂O₂ in CNTs@Pd (b).

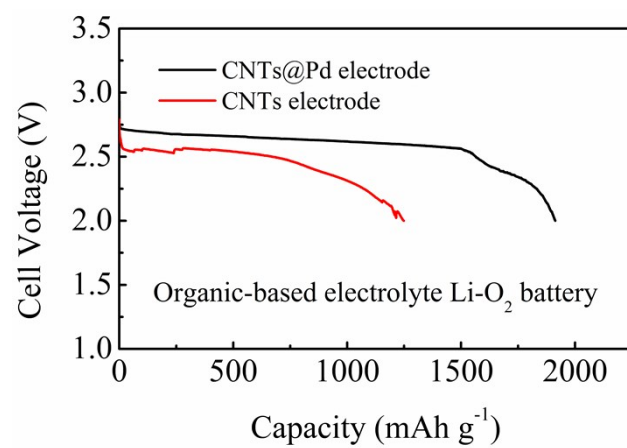


Fig. S3 Discharge profiles of the CNTs@Pd and CNTs electrodes at 100 mA g⁻¹.