

Fig. S1 Schematic illustration of physical coating process

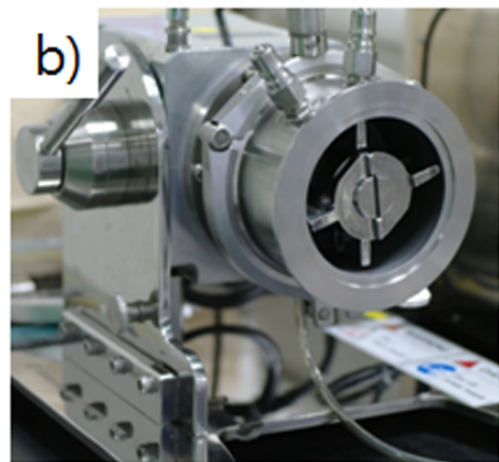
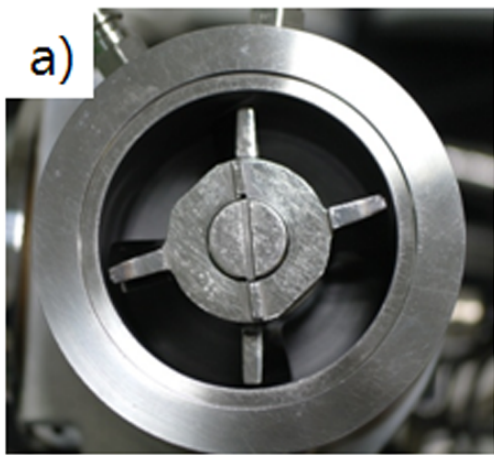


Fig. S2 photos of Nobilta mini, a) the bowl with a top view and b) the bowl positioned perpendicularly for being parallel to the ground.

Atomic Concentration / %						
Coating time	Li 1s	C 1s	O 1s	Mn 2p	Co 2p	Ni 2p
0 min	13.6	14.8	45.7	14.8	2.7	8.5
3 min	7.6	55.2	27.0	6.6	1.3	2.1
20 min	3.8	75.2	17.5	2.6	0.4	0.5

Table S1 Atomic concentration of each element obtained from the pristine and 2 wt.% MWCNT-coated samples after 3 and 20 coating time.

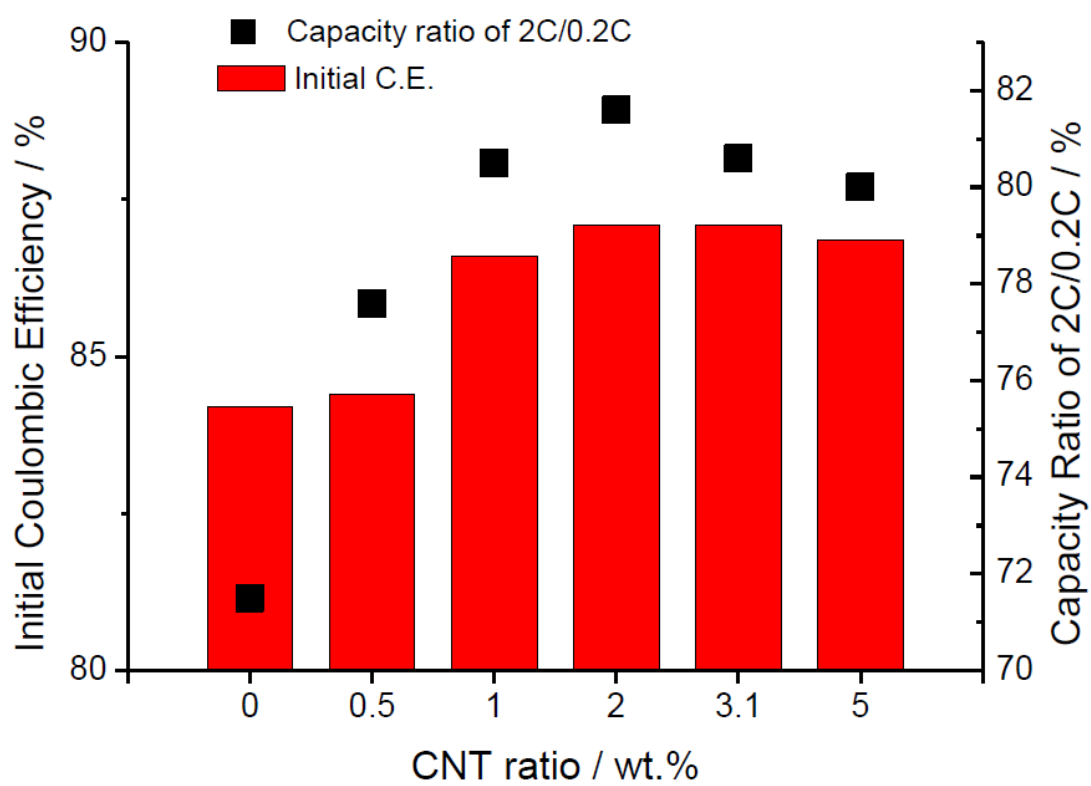


Fig. S3 Initial coulombic efficiencies (red bar) and rate capability (black square, specific capacity ratio of 2 C/0.2 C) obtained from the prepared samples (non-coated and coated with varying amounts of MWCNT).