

## Electronic Supplementary Information

### Treble-shelled $\text{Mn}_2\text{O}_3$ Hollow Nanocubes: Force-induced Synthesis and Excellent Performance as Anode of Lithium Ion Battery

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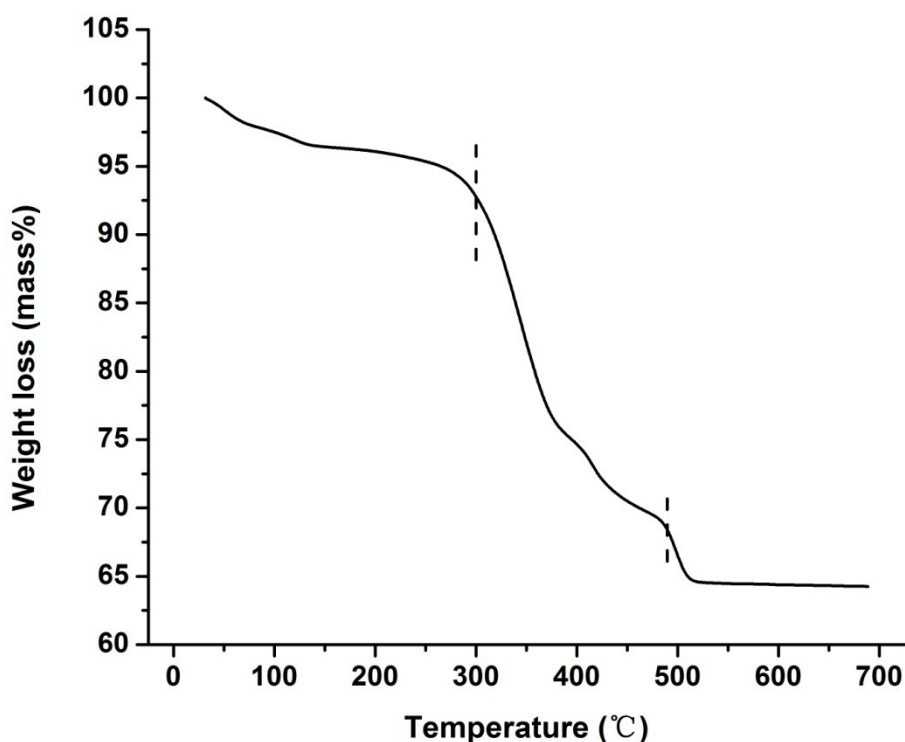
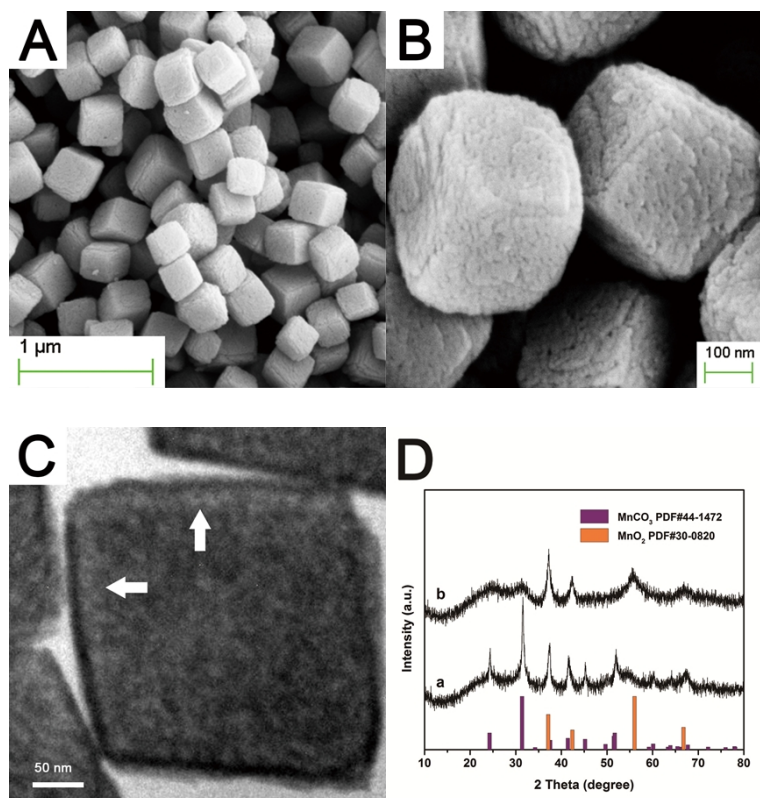
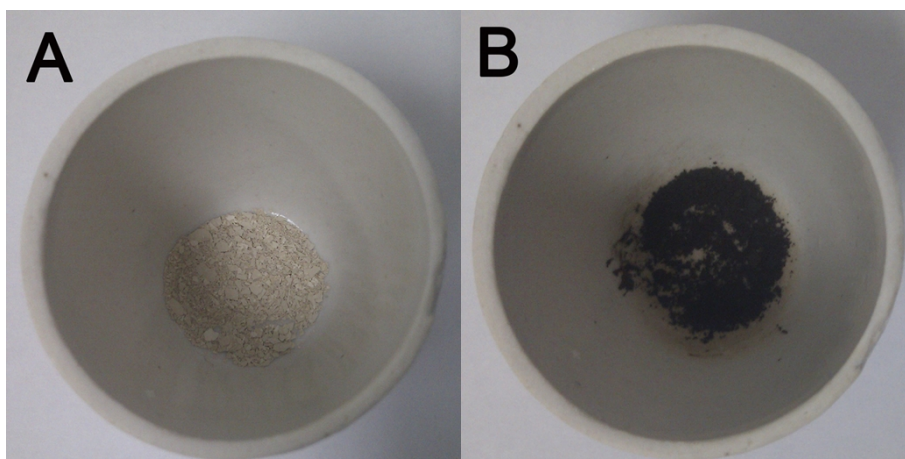


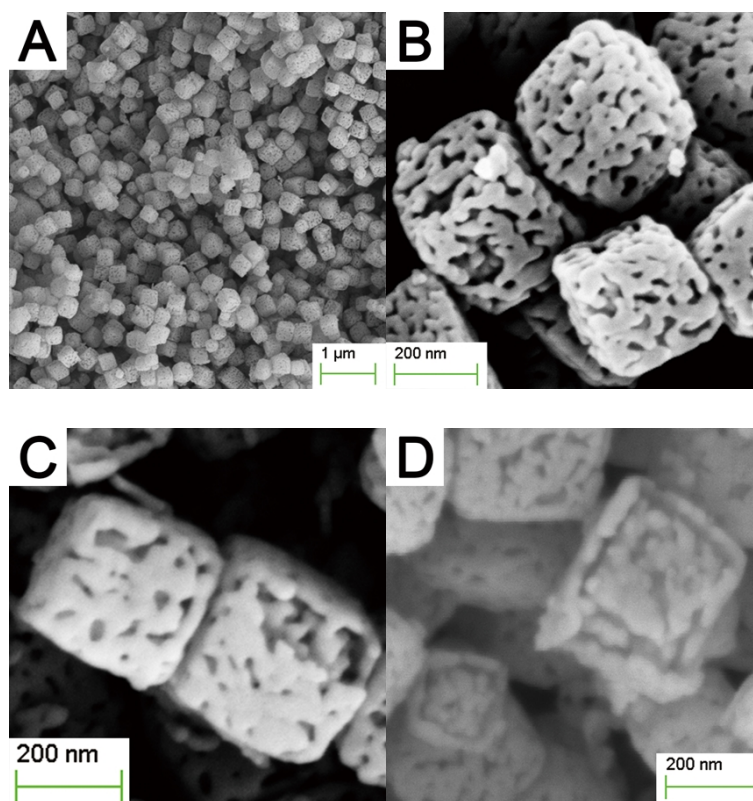
Fig. S1. Thermogravimetric curve of  $\text{MnCO}_3$  nanocubes.



**Fig. S2.** FESEM images (A, B), TEM image (C) and XRD pattern (D) of the  $\text{MnCO}_3$  nanocubes after an annealing treatment at  $300\text{ }^\circ\text{C}$  for 1 h with a ramping rate of  $1\text{ }^\circ\text{C min}^{-1}$ (a) and at  $400\text{ }^\circ\text{C}$  for 1 h (b).



**Fig. S3.** Photos of  $\text{MnCO}_3$  nanocubes before (A) and after the first heat treatment (B).



**Fig. S4.** FESEM images of treble-shelled  $\text{Mn}_2\text{O}_3$  nanocubes.