

Electronic Supplementary Information (ESI) for
Hierarchical hollow microspheres assembled from N-doped
carbon coated $\text{Li}_4\text{Ti}_5\text{O}_{12}$ nanosheets with enhanced lithium
storage properties

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This PDF file includes:

- 1. Fig. S1 to S3**
- 2. Tab. S1**

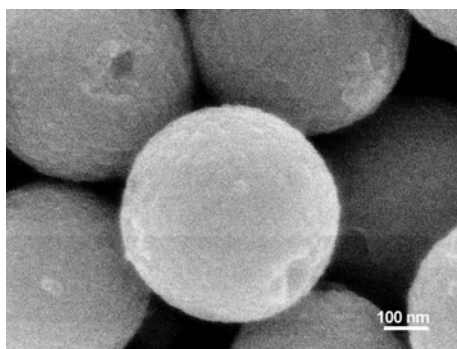


Fig. S1 SEM image of the amorphous TiO_2 microspheres.

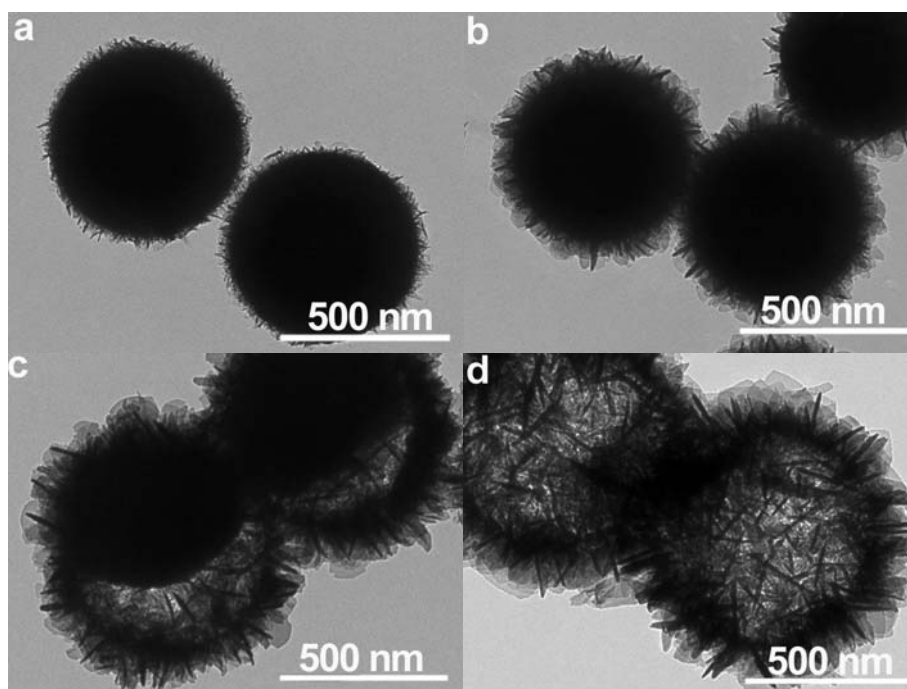


Fig. S2 TEM images of the products obtained with varying reaction times: (a) 2 h, (b) 6 h, (c) 12 h, and (d) 24 h.

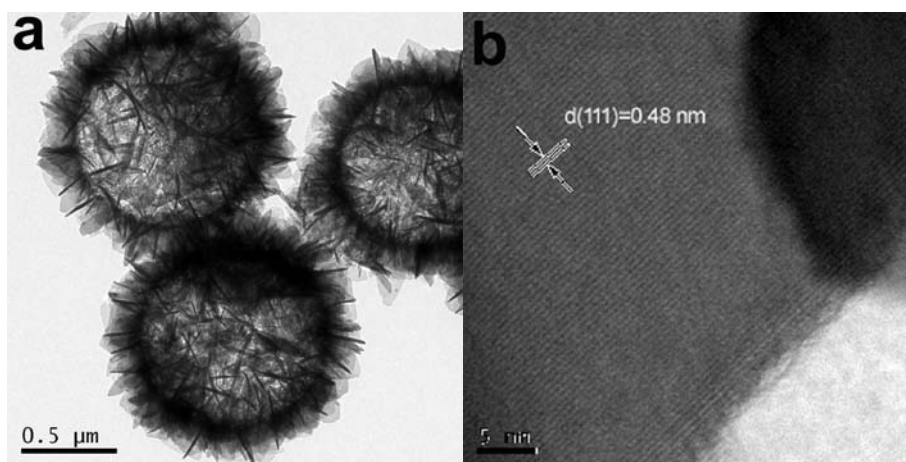


Fig. S3 TEM (a) and HRTEM (b) images of A-LTO hollow microspheres.

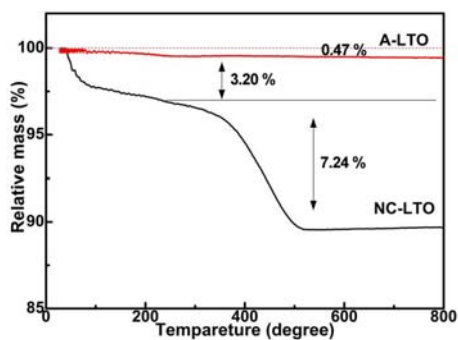


Fig. S4 TG curves of the NC-LTO and A-LTO in air.

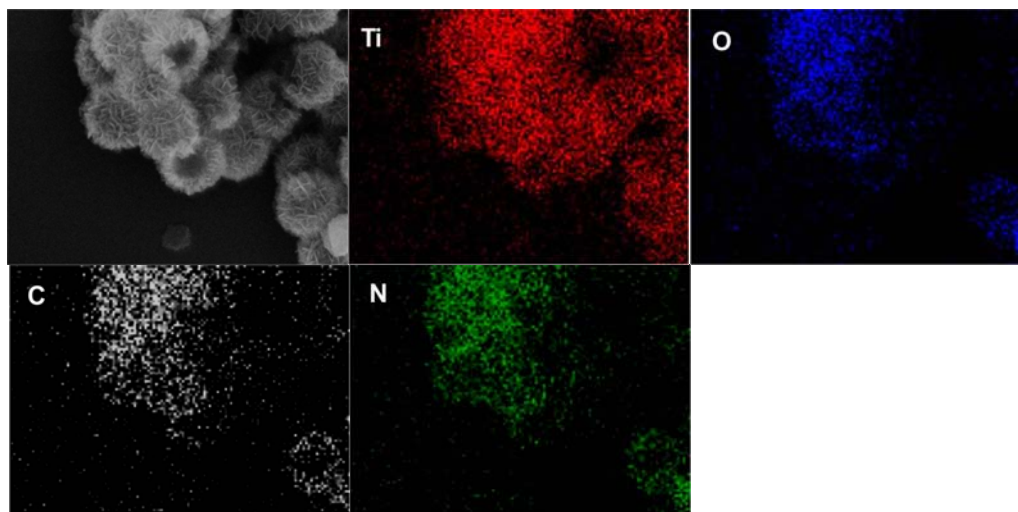


Fig. S5 EDS mapping images of the NC-LTO hollow microspheres.

Tab. S1 Chemical compositions of NC-LTO sample obtained by elemental analysis and XPS.

Samples	From elemental analysis			From XPS			
	wt.% C	wt.% N	wt.% H	at. % Ti	at. % O	at. % C	at. % N
NC-LTO	7.05	1.03	0.13	16.51	46.85	34.4	2.24