

Supporting Information for

**Enhanced Electrochemical Performance of Hierarchical
Architecture $\text{CoFe}_2\text{O}_4/\text{MnO}_2/\text{C}$ Nanotubes as Anode
Material for Lithium-Ion Batteries**

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Table S1. Comparative electrochemical performance of reported CoFe₂O₄ and MnO₂ materials

Electrode materials	Capacitance (mAh g ⁻¹)	Cycle number	Current density	References
CoFe ₂ O ₄ thin films	592	30th	100 mA g ⁻¹	11
Macroporous CoFe ₂ O ₄	531	30th	0.2 mA cm ⁻²	15
Nanocrystalline CoFe ₂ O ₄	350	100th	10 μA cm ⁻²	10
porous CoFe ₂ O ₄ nanosheets	648	200th	2000 mA g ⁻¹	S1
CoFe ₂ O ₄ nanoparticles	200	50th	100 mA g ⁻¹	14
CoFe ₂ O ₄ /C composite fibers	320	100th	200 mA g ⁻¹	13
Mesoporous CoFe ₂ O ₄ nanospheres/ carbon nanotube	1045.6	100th	200 mA g ⁻¹	S2
Co ₃ O ₄ /CoFe ₂ O ₄ nanocomposite	400	60th	100 mA g ⁻¹	9
Coaxial Carbon Nanotube@MnO ₂	500	16th	50 mA g ⁻¹	S3
Nanoflaky MnO ₂ /carbon nanotube nanocomposites	620	50th	200 mA g ⁻¹	26
Nanoflaky MnO ₂ -graphene sheet	230	150th	200 mA g ⁻¹	S4
Mn ₃ O ₄ nanorod @ Zn ₂ SnO ₄ nanoneedles	577.4	50th	100 mA g ⁻¹	4
CoFe ₂ O ₄ /MnO ₂ /C Nanocomposite	713.6	250th	100 mA g ⁻¹	This work

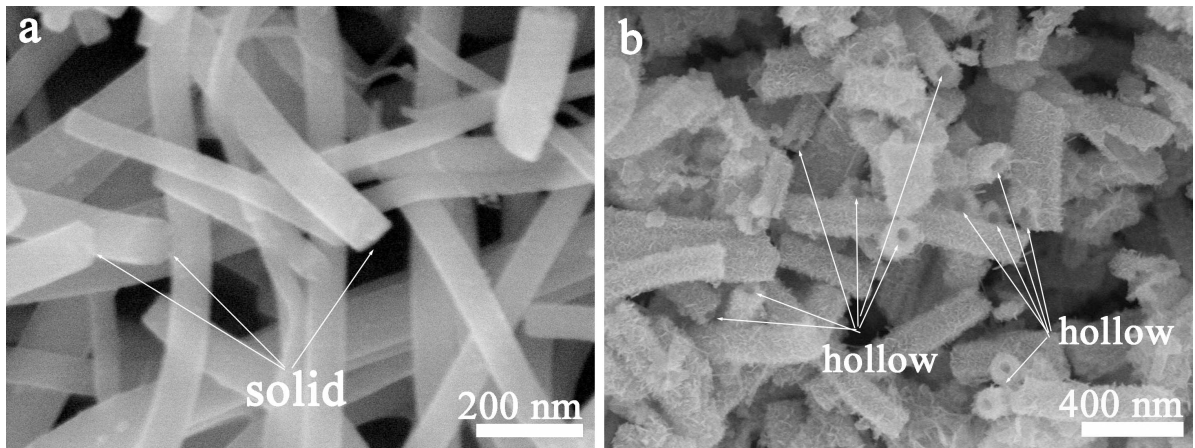


Figure S1 SEM images of (a) $\text{CoFe}_2\text{O}_4/\text{C}$ nanofibers; (b) $\text{CoFe}_2\text{O}_4/\text{MnO}_2/\text{C}$ composite.

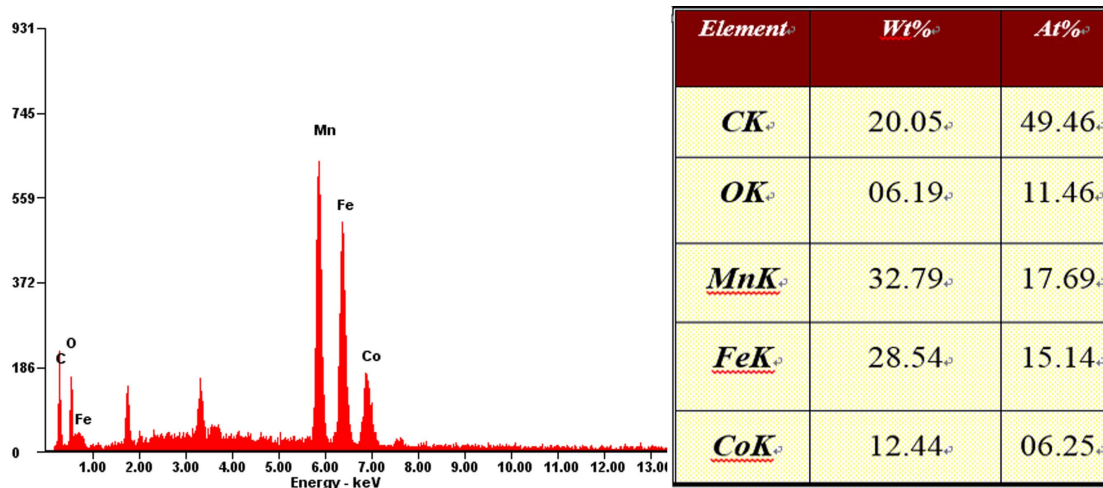


Figure S2 EDS spectrum of the $\text{CoFe}_2\text{O}_4/\text{MnO}_2/\text{C}$ nanocomposite.

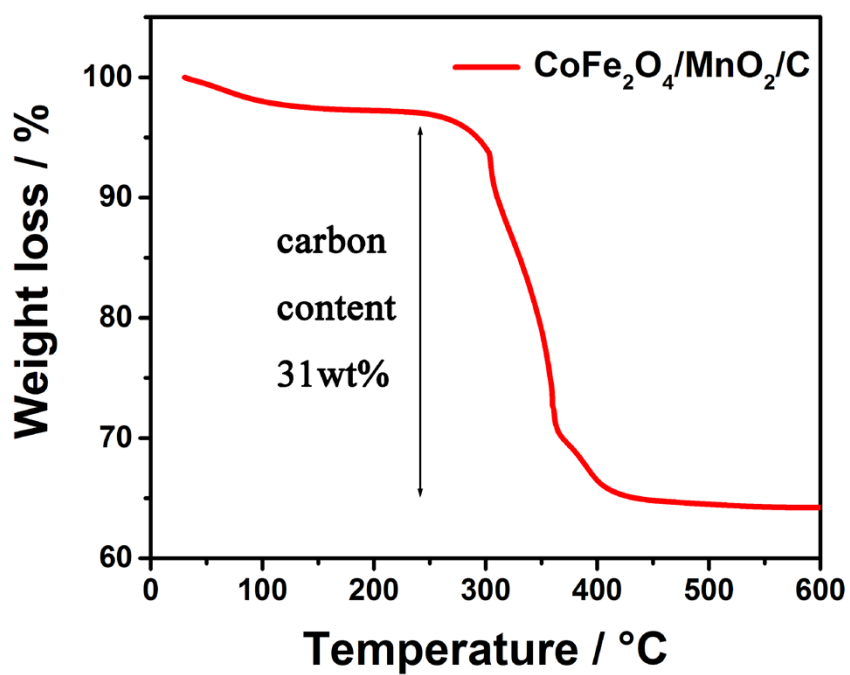


Figure S3 TGA curve of the CoFe₂O₄/MnO₂/C nanocomposite.

References

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