

Supplementary Information:

Self-assembled graphene-constructed hollow Fe₂O₃ spheres with controllable size for high lithium storage

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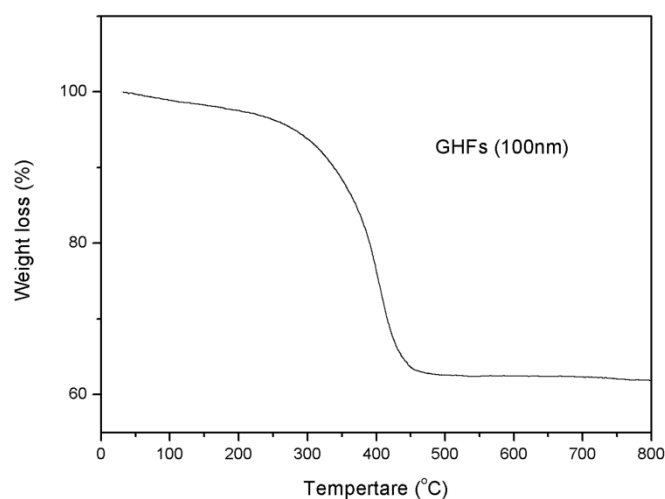


Figure S1. TGA of 100nm GHFs.

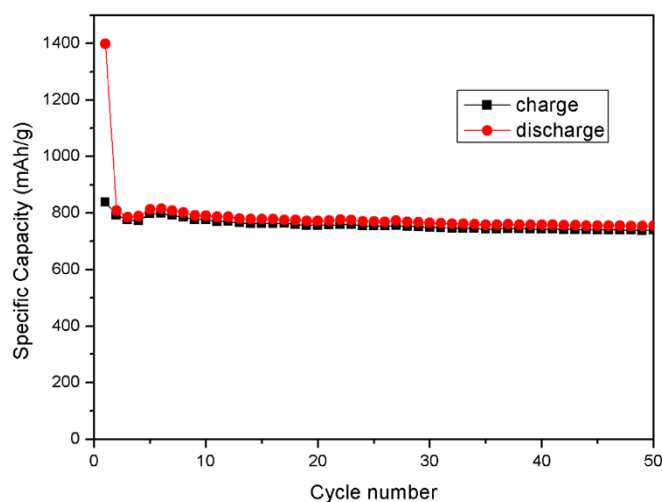


Figure S2. Cycling performance of GHFs (100nm) at the current density of 100 mA g⁻¹

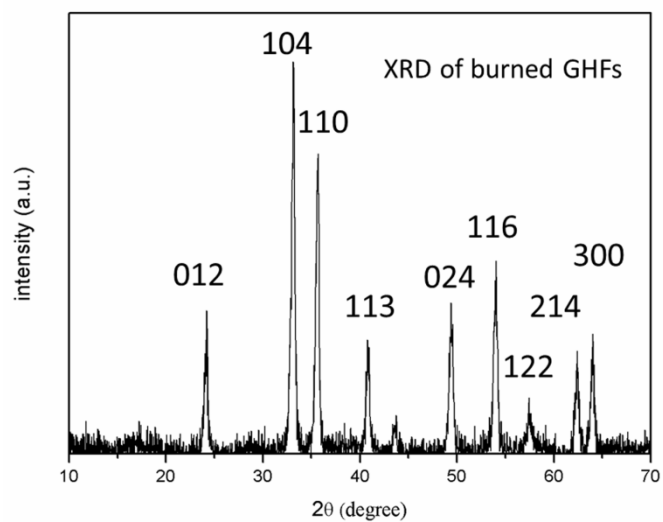


Figure S3. XRD patterns of GHFs after TGA

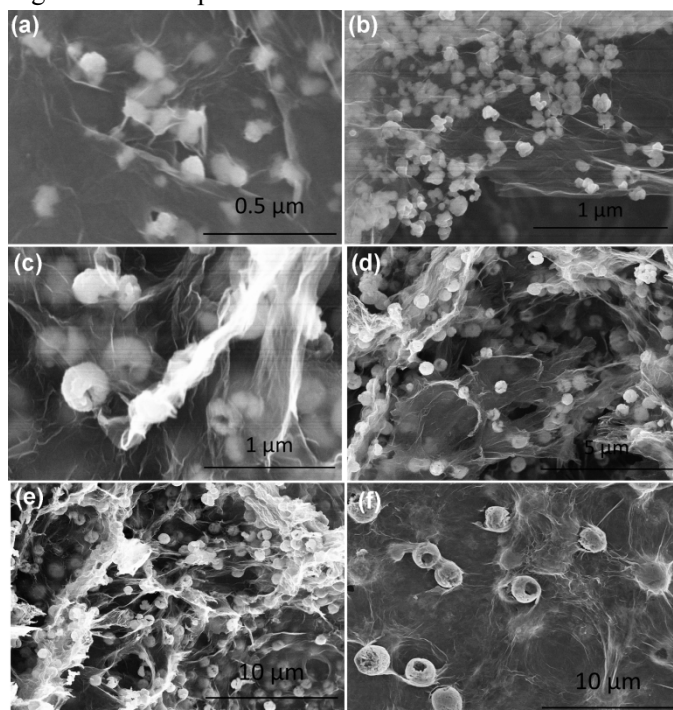


Figure S4. Typical FESEM image of GHFs revealing graphene-constructed structure and Fe₂O₃ particle diameter of (a) 50 nm, (b) 100 nm, (c) 300 nm, (d) 400 nm, (e) 700 nm, (f) 2000 nm.

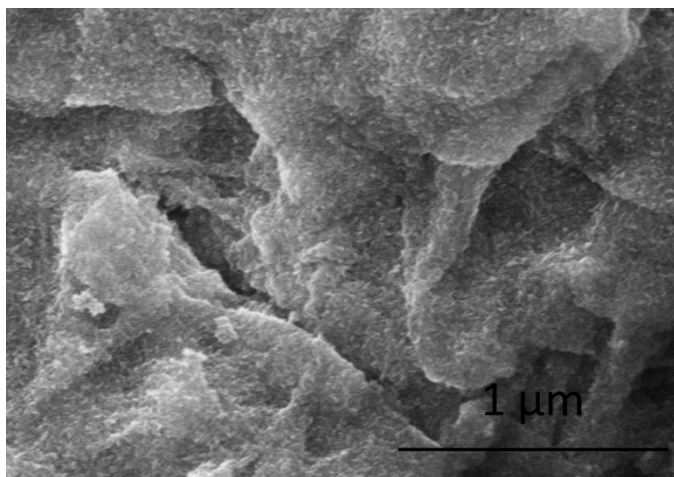


Figure S5. SEM of Fe(OH)₃/GO dialyzed before hydrothermal treatment.