

Supplementary Data

Glycerol-Assisted Tuning the Phase and Morphology of Iron Oxide Nanostructures for Supercapacitor Electrode Materials

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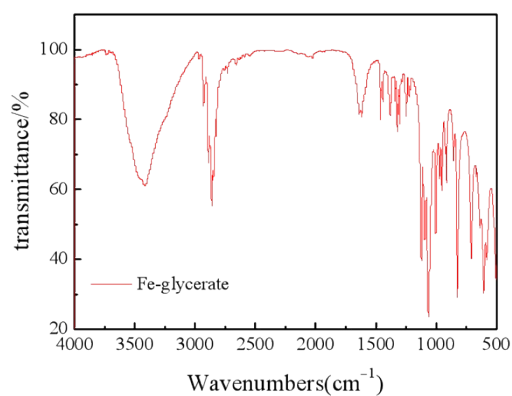


Figure S1. FTIR spectrum of Fe-glycerate.

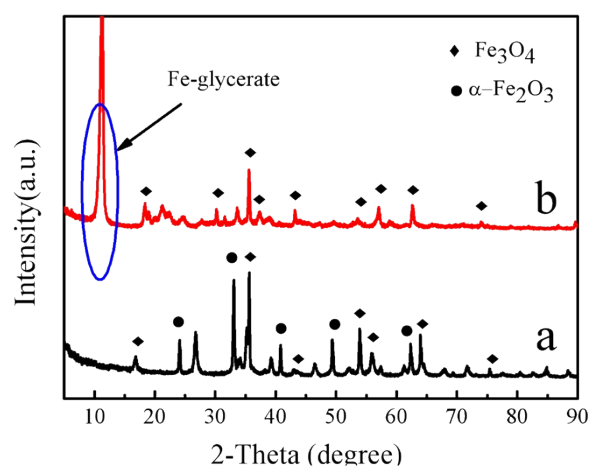


Figure S2. XRD pattern of samples obtained by using 20 mL of glycerol (a) and 50 mL of glycerol (b).

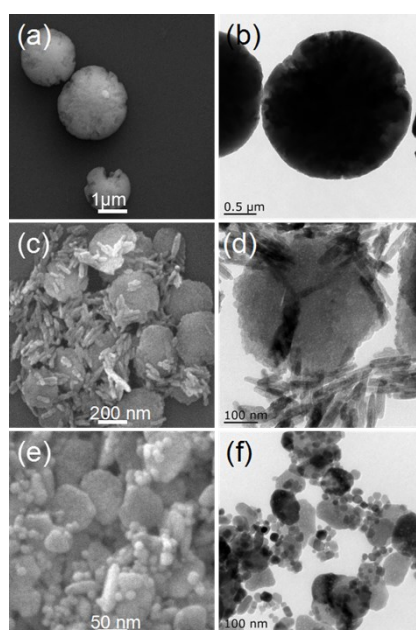


Figure S3. SEM and TEM images of α -Fe₂O₃-5 (a, b), α -Fe₂O₃-15 (c, d), product obtained by using 20 mL of glycerol (e, f).

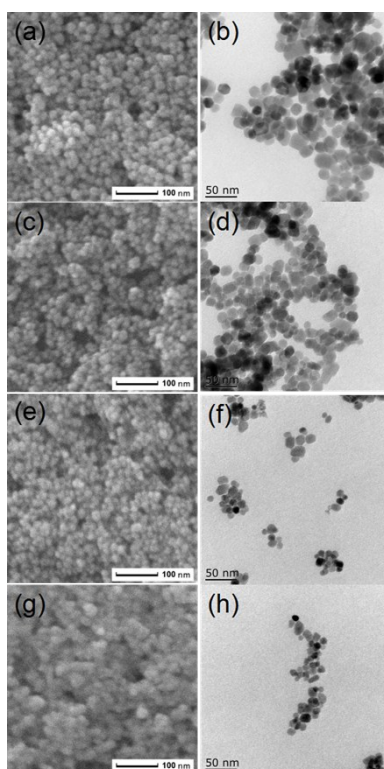


Figure S4. SEM and TEM images of Fe_3O_4 -25 (a, b), Fe_3O_4 -35 (c, d), Fe_3O_4 -40 (e, f), and Fe_3O_4 -45 (g, h).

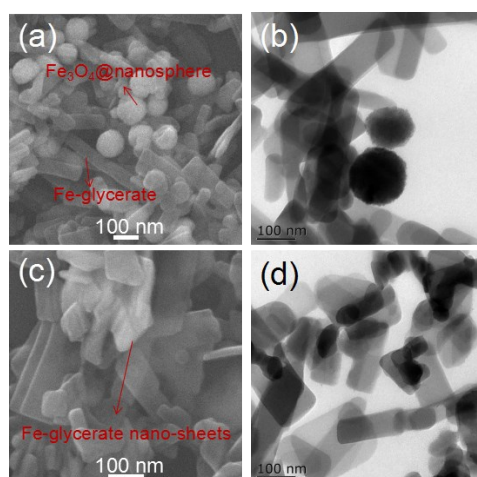


Figure S5. SEM and TEM images of product obtained by using 50 mL of glycerol (a, b), Fe-glycerate-60 (c, d).

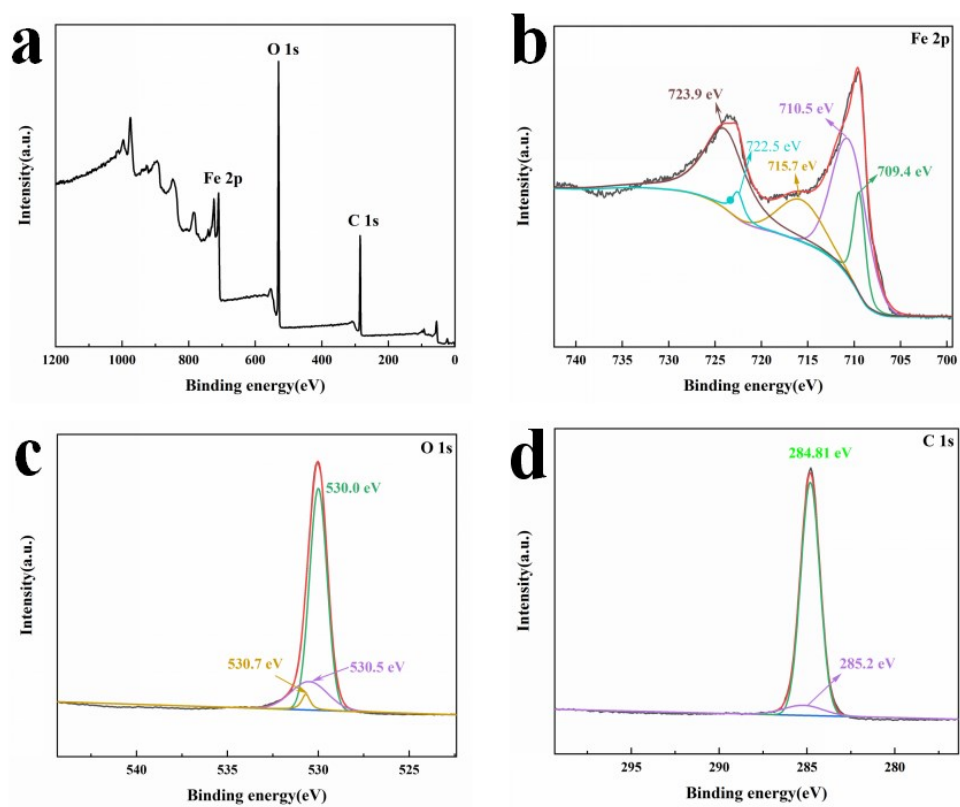


Figure S6. XPS characterization of Fe-glycerate-55. (a) survey, (b) Fe2p, (c) O1s, and (d) C1s.

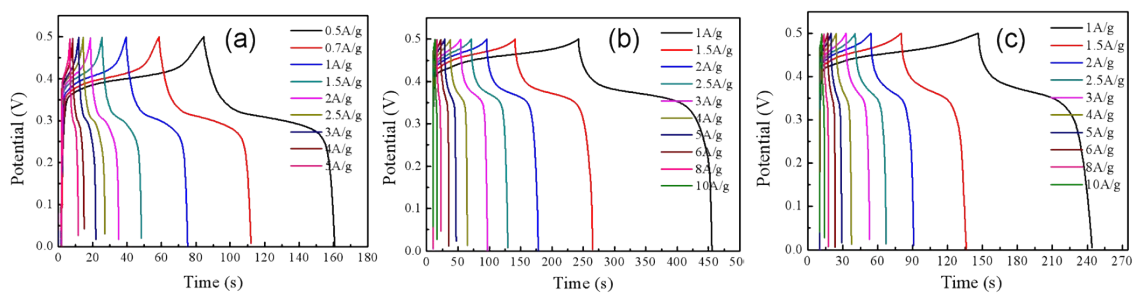


Figure S7. GCD curves of $\alpha\text{-Fe}_2\text{O}_3\text{-10}$ (a), $\text{Fe}_3\text{O}_4\text{-30}$ (b), and Fe-glycerate-55 (c) at various current densities.

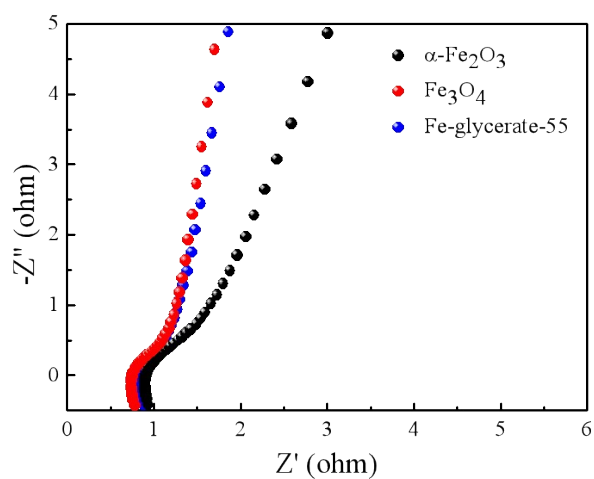


Figure S8. Nyquist plots of $\alpha\text{-Fe}_2\text{O}_3\text{-10}$, $\text{Fe}_3\text{O}_4\text{-30}$, Fe-glycerate-55.