

Graphene oxide-MnO₂ Nanocomposites for Supercapacitors

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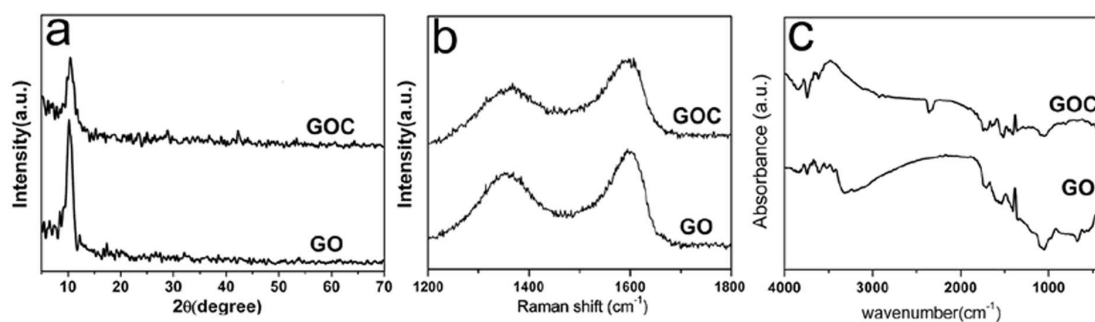


Figure 1S. (a)XRD patterns (b) Raman (c) FTIR spectra of GO and GOC.

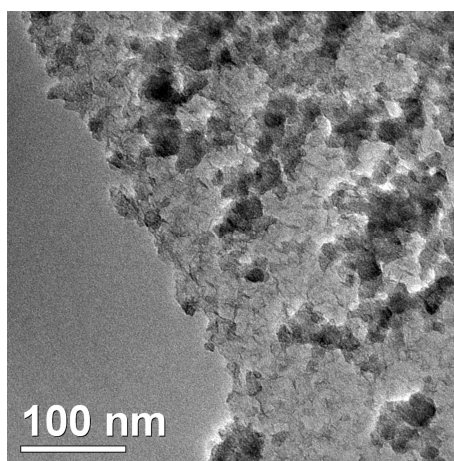


Figure 2S. TEM images of as-obtained products *via* a similar procedure using only GO and KMnO₄ as the precursors.

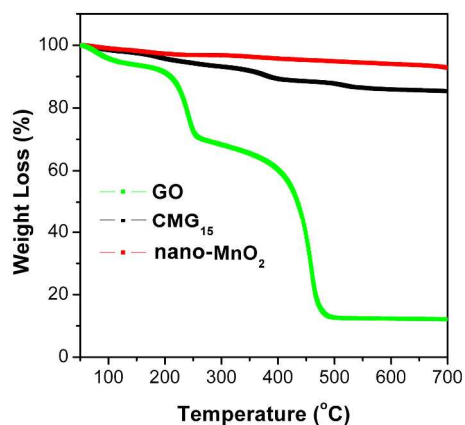


Figure 3S. TG curves of GO, nano-MnO₂, and CMG₁₅ at a heating rate of 20 °C·min⁻¹ in air flow.

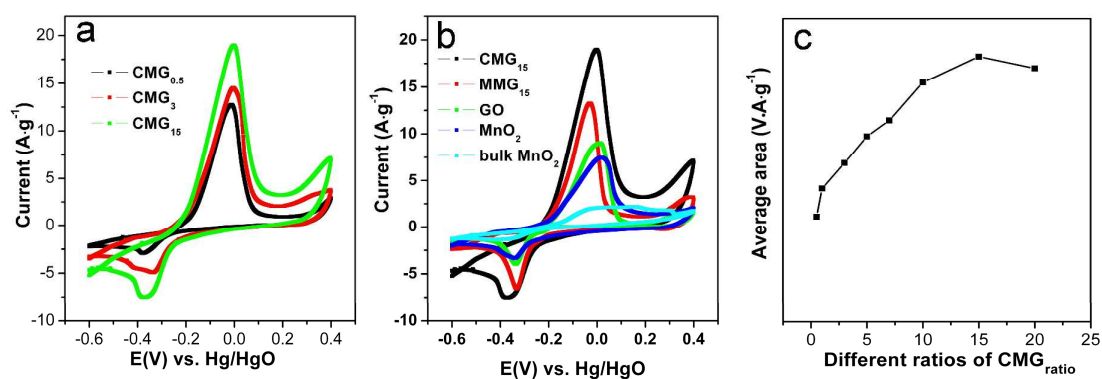


Figure 4S. CVs of (a) CMG_{0.5}, CMG₃, and CMG₁₅; (b) bulk MnO₂, GO, CMG₁₅, nano-MnO₂ and MMG₁₅ at 5 mV·s⁻¹ in 6 M KOH solution; (c) Plot of average area of CV curves as a function of different ratios of CMG_{ratio}.

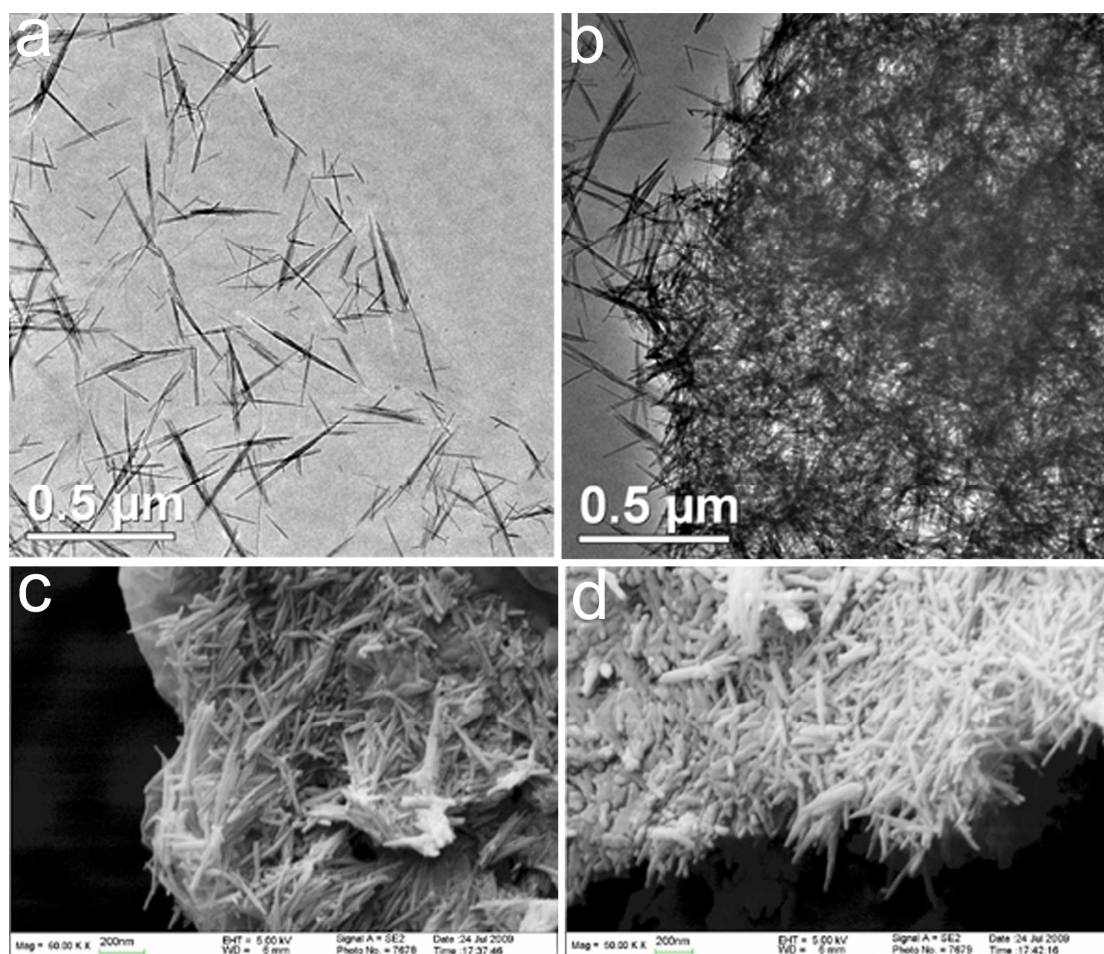


Figure. 5S. TEM and FESEM images of CMG₃ (a, c) and CMG₁₅ (b, d).