

Electronic Supplementary Information for

Nanostructured MnO₂/Graphene Composites for Supercapacitor Electrodes: The Effect of Morphology, Crystallinity and Composition

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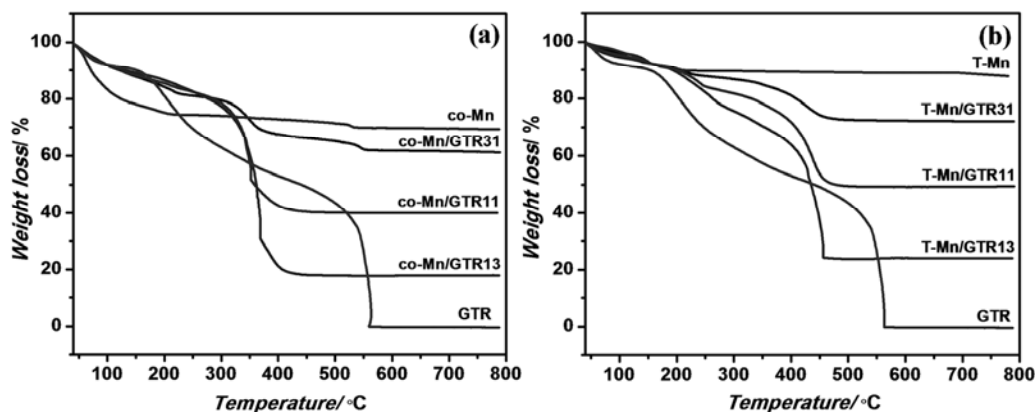


Fig. S1 TGA curves of co-Mn, GTR, and co-Mn/GTR composites (a) and T-Mn, GTR, and T-Mn/GTR composites (b).

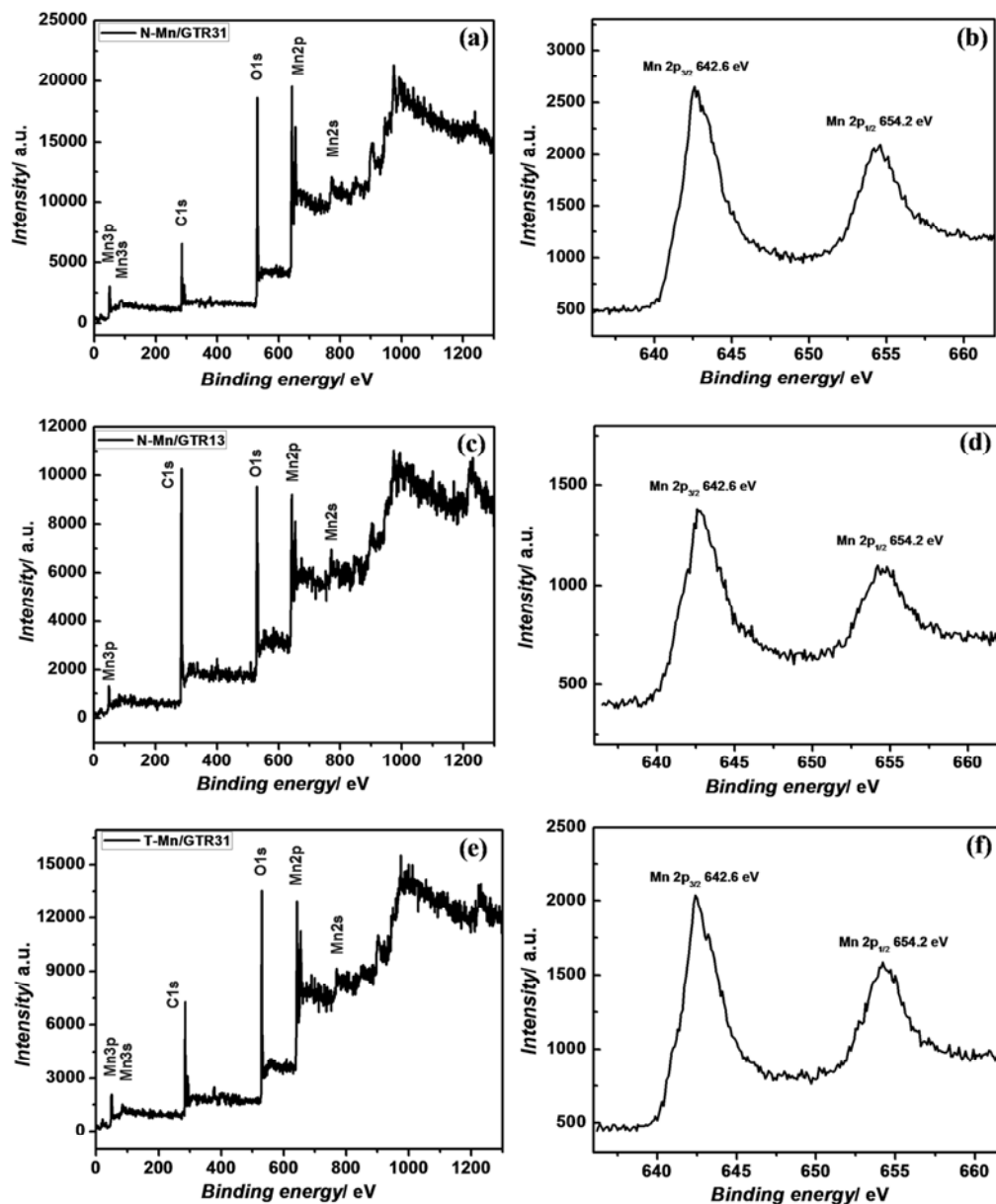


Fig. S2 XPS survey spectra (a, c, e) and narrow spectra of Mn 2p peaks (b, d, f) for N-Mn/GTR31 (a, b), N-Mn/GTR13 (c, d) and T-Mn/GTR31 (e, f).

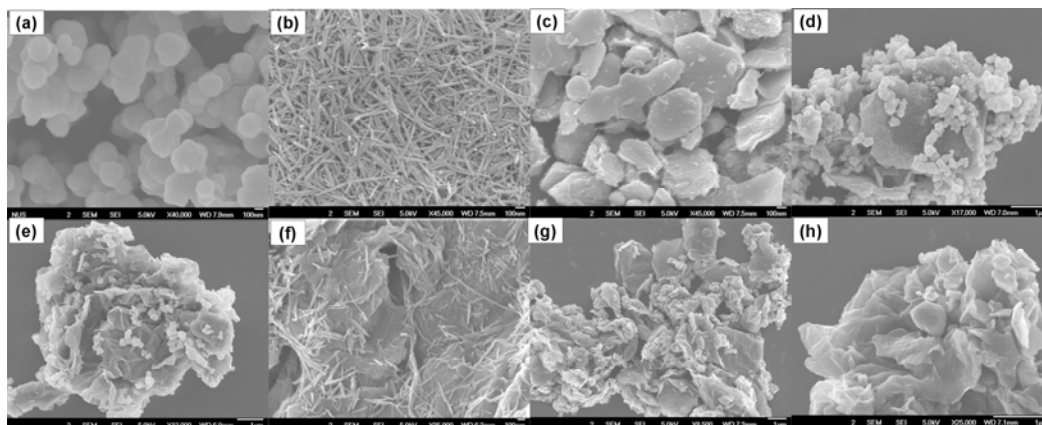


Fig. S3 SEM images of (a) co-Mn, (b) N-Mn, (c) T-Mn, (d) co-Mn/GTR11, (e) co-Mn/GTR13, (f) N-Mn/GTR11, (g) T-Mn/GTR11, (h)T-Mn/GTR13.

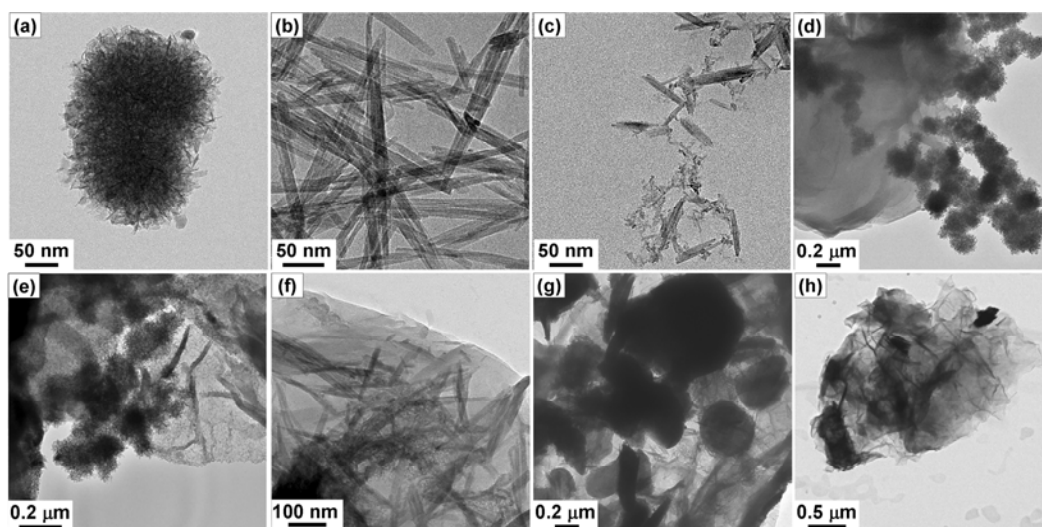


Fig. S4 TEM images of (a) co-Mn, (b) N-Mn, (c) T-Mn, (d) co-Mn/GTR11, (e) co-Mn/GTR13, (f) N-Mn/GTR11, (g) T-Mn/GTR11, (h)T-Mn/GTR13.

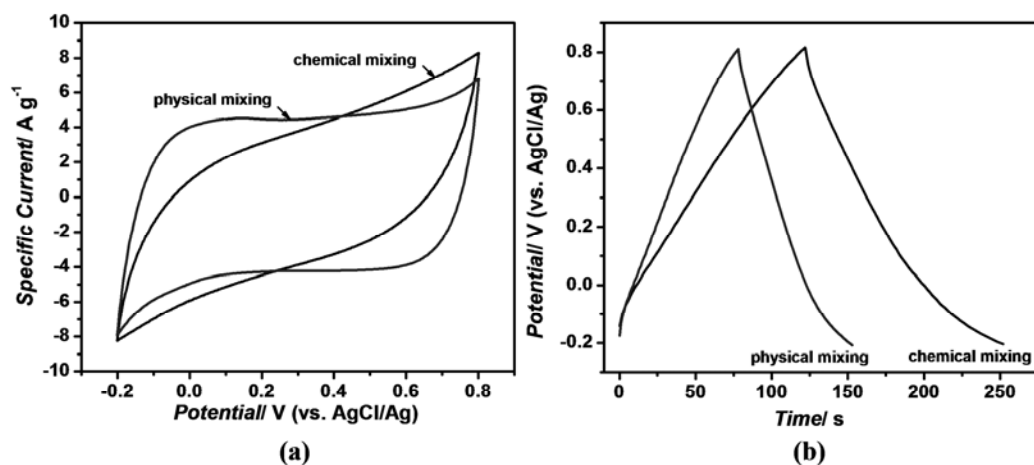


Fig. S5 CV curves (a) and galvanostatic charge-discharge curves (b) comparison between N-Mn/GTR11 and physically mixed N-Mn/GTR at a ratio of 1:1.