Electronic Supplementary Information for

High-Performance Asymmetric Supercapacitors with Lithium Intercalation Reaction Using Metal Oxide-Based Composites as Electrode Materials

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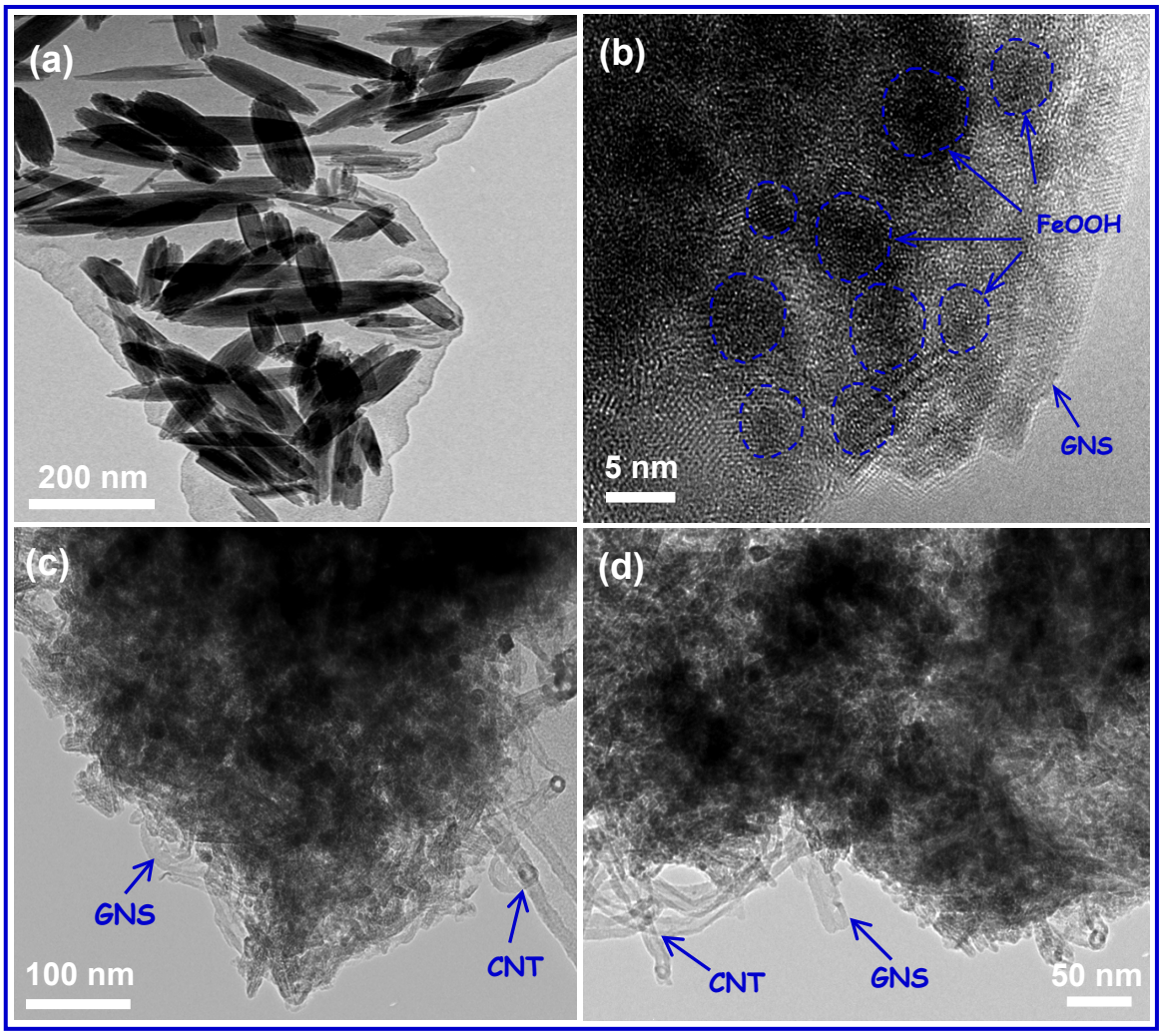

Fig. S1 TEM images of (a) Pure FeOOH, (b) FeOOH/GNS, (c) and (d) FeOOH/GNS/CNTs.

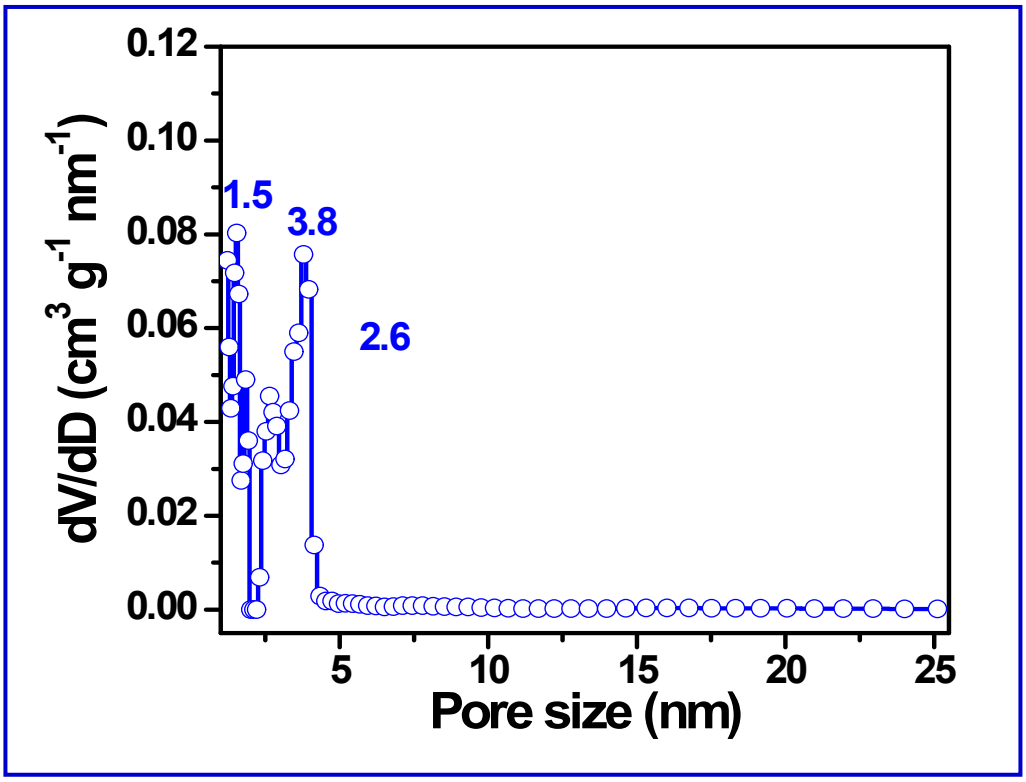

Fig. S2 Pore-size-distribution (PSD) curves of FeOOH/GNS/CNTs.

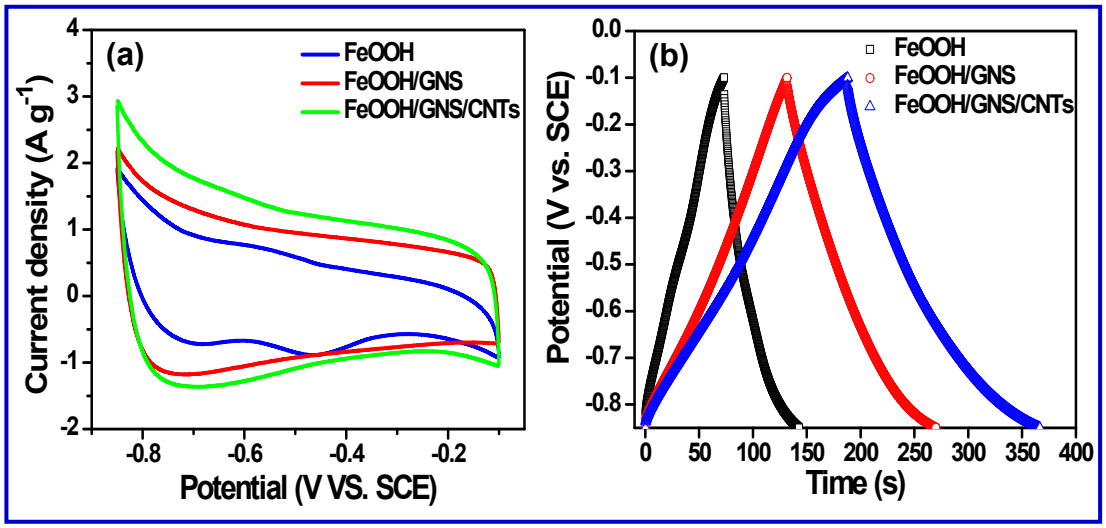

Fig. S3 (a) CV profiles of FeOOH, FeOOH/GNS and FeOOH/GNS/CNTs at 10 mV s^{-1}. (b) Galvanostatic charge/discharge profiles of FeOOH, FeOOH/GNS and FeOOH/GNS/CNTs at 1 A g^{-1}.

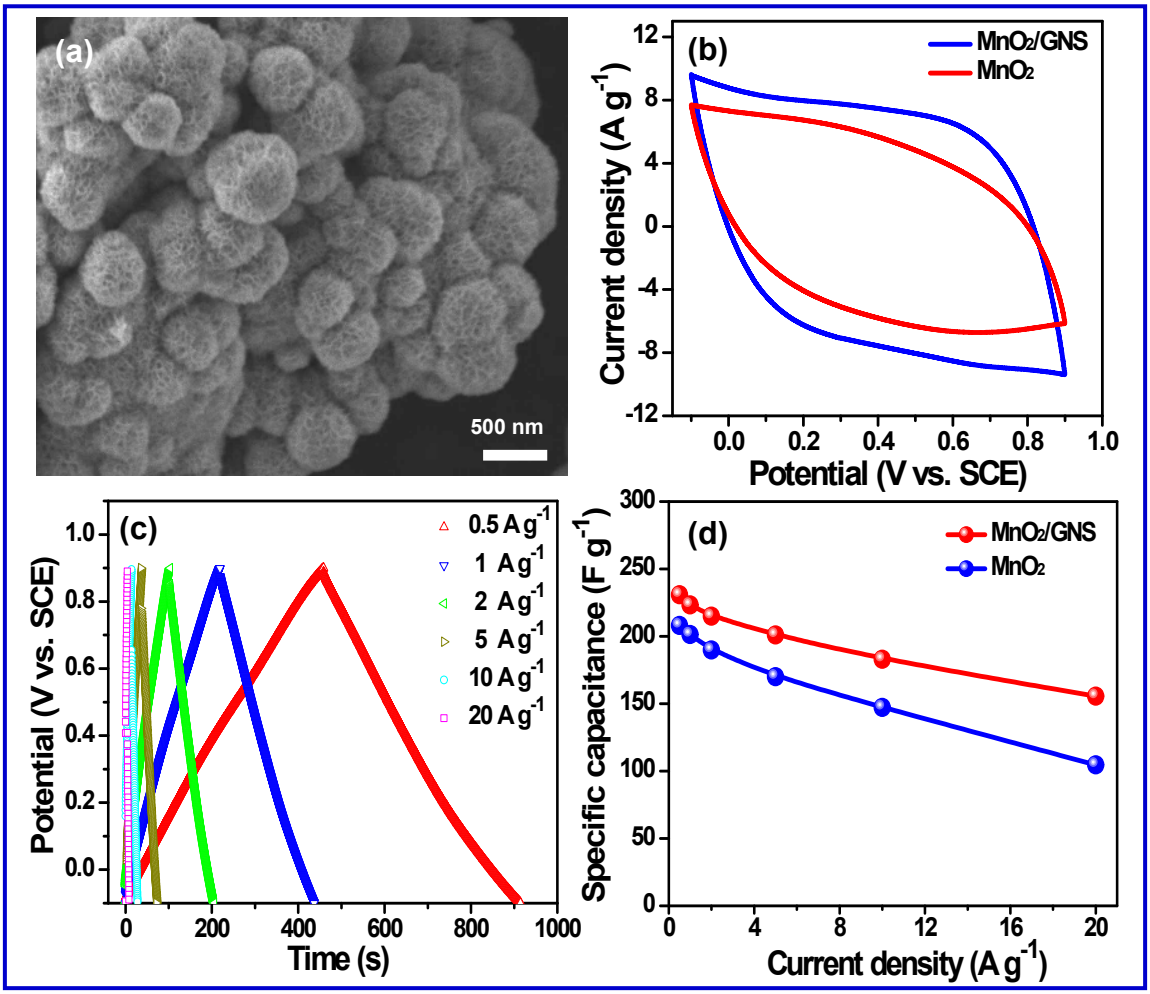

Fig. S4 (a) SEM image of pure MnO_2. (b) CV comparison of pure MnO_2 and MnO_2/GNS at 50 mV s^{-1}. (c) Galvanostatic charge/discharge curves of MnO_2/GNS at various current densities. (d) Specific capacitance of MnO_2 and MnO_2/GNS.

Table 1 Physicochemical characterization of FeOOH and FeOOH/GNS/CNTs.

Samples	S_{BET}[a] ($m^2\ g^{-1}$)	V_T[b] ($cm^3\ g^{-1}$)	d_M[c] (nm)
FeOOH	35	0.22	25.2
FeOOH/GNS/CNTs	274	0.20	2.8

[a] Total specific surface area.

[b] Total pore volume.

[c] Average pore size.