Supporting information

Facile synthesis of metal-organic framework-derived Mn$_2$O$_3$ nanowires coated three-dimensional graphene network for high-performance free-standing supercapacitor electrodes

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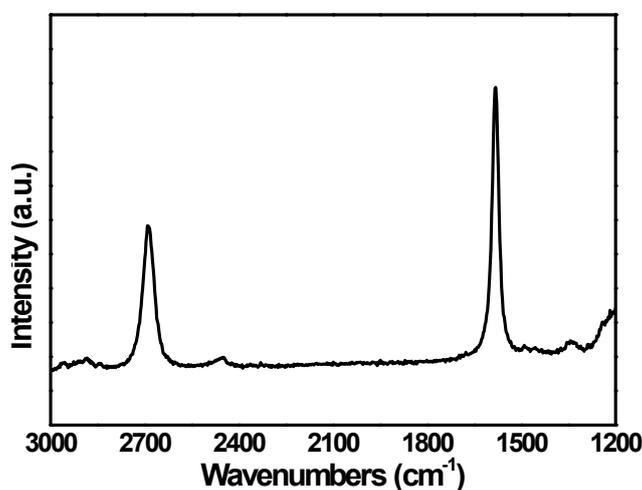
Fig. S1 Raman spectrum of 3DGN with Ni.
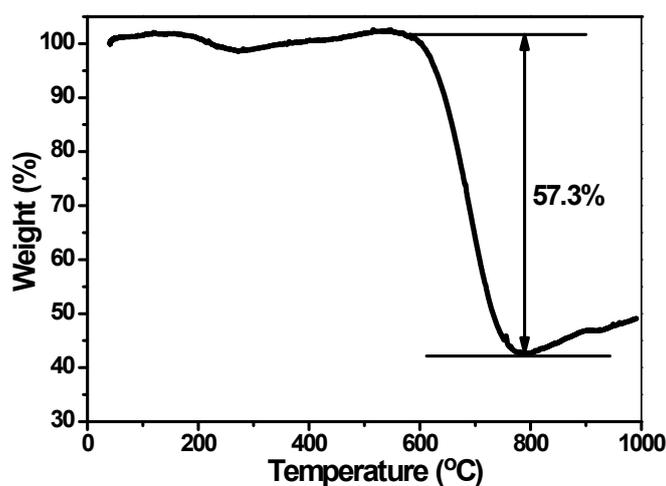
Fig. S2 TG curve of the 3DGN/Mn$_2$O$_3$ composite.
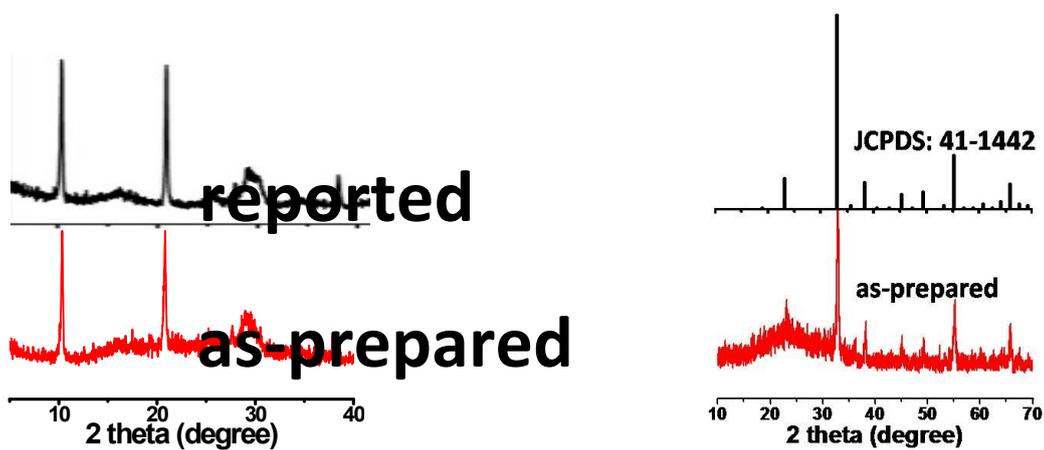
Fig. S3 Powder XRD patterns of as-prepared and reported for Mn-BTC (left) and Mn_2O_3

(right).
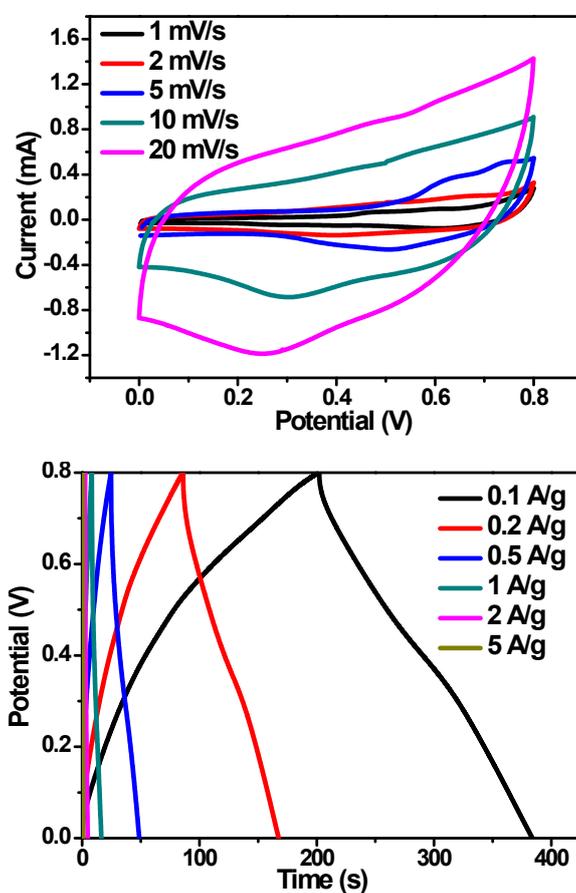
Fig. S4 CV curves at different scan rates (left), and GCD curves at different current densities

(right) of the Mn-BTC electrode material.
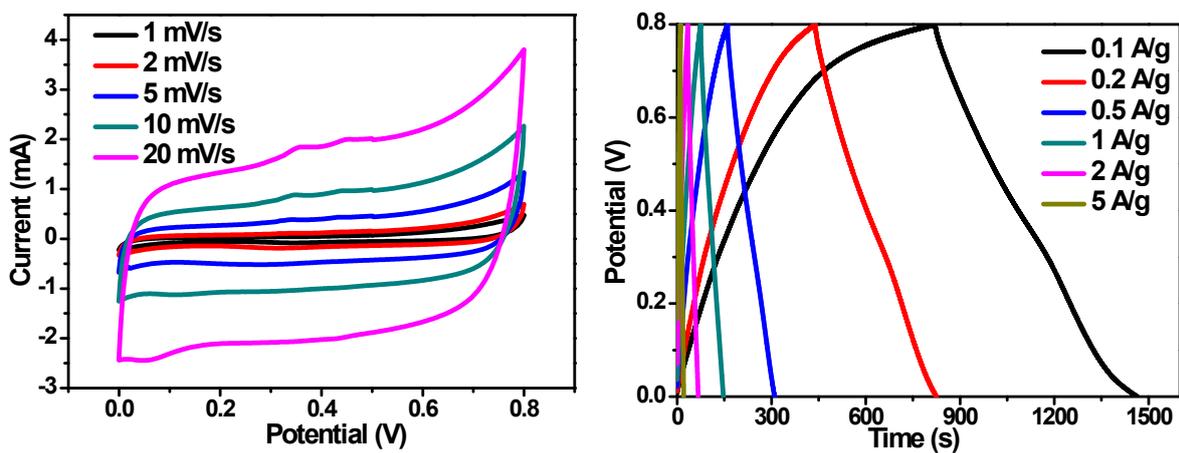
Fig. S5 CV curves at different scan rates (left), and GCD curves at different current densities (right) of the Mn_2O_3 electrode material.
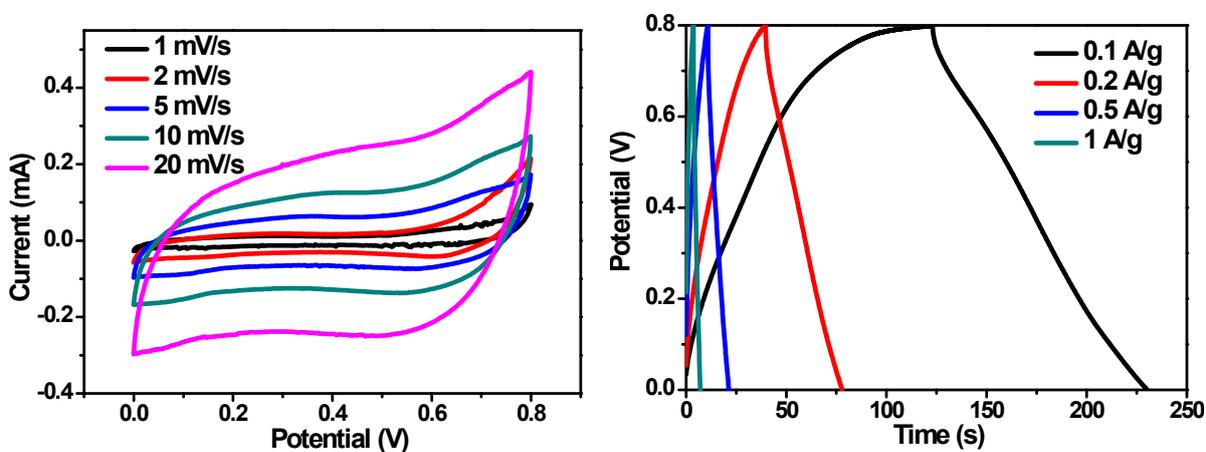
Fig. S6 CV curves at different scan rates (left), and GCD curves at different current densities (right) of the 3DGN/Mn-BTC electrode material.
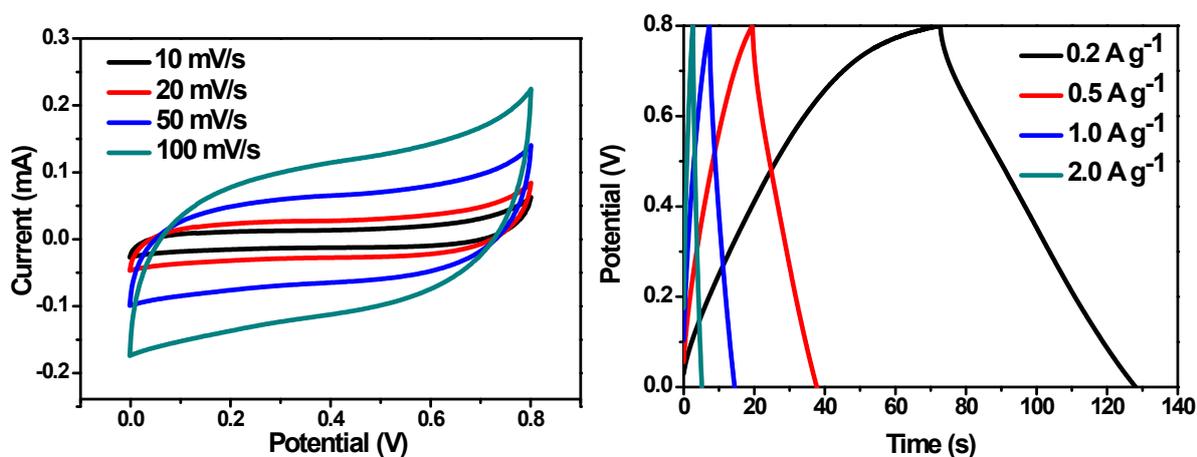
Fig. S7 CV curves at different scan rates (left), and GCD curves at different current densities (right) of the 3DGN electrode material.
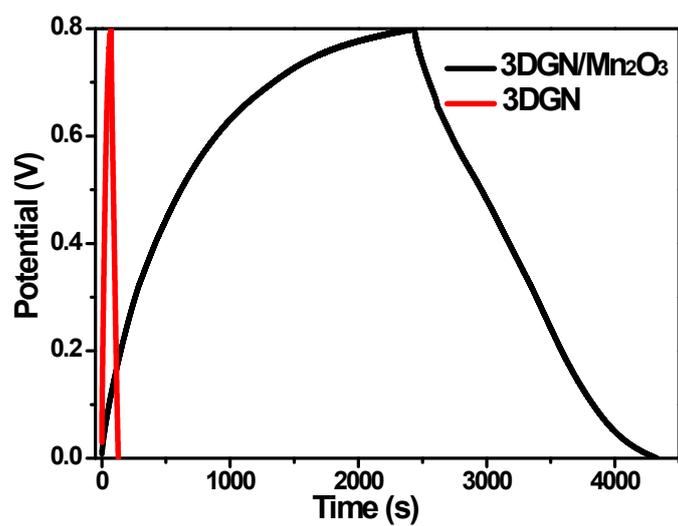
Fig. S8 GCD curves at 0.2 A g^{-1} of the 3DGN and 3DGN/Mn$_2$O$_3$ electrode materials.