Electronic Supplementary Information for

Sandwich-structured nanohybrid paper based on controllable growth of nanostructured MnO_2 on ionic liquid functionalized graphene paper as flexible supercapacitor electrode

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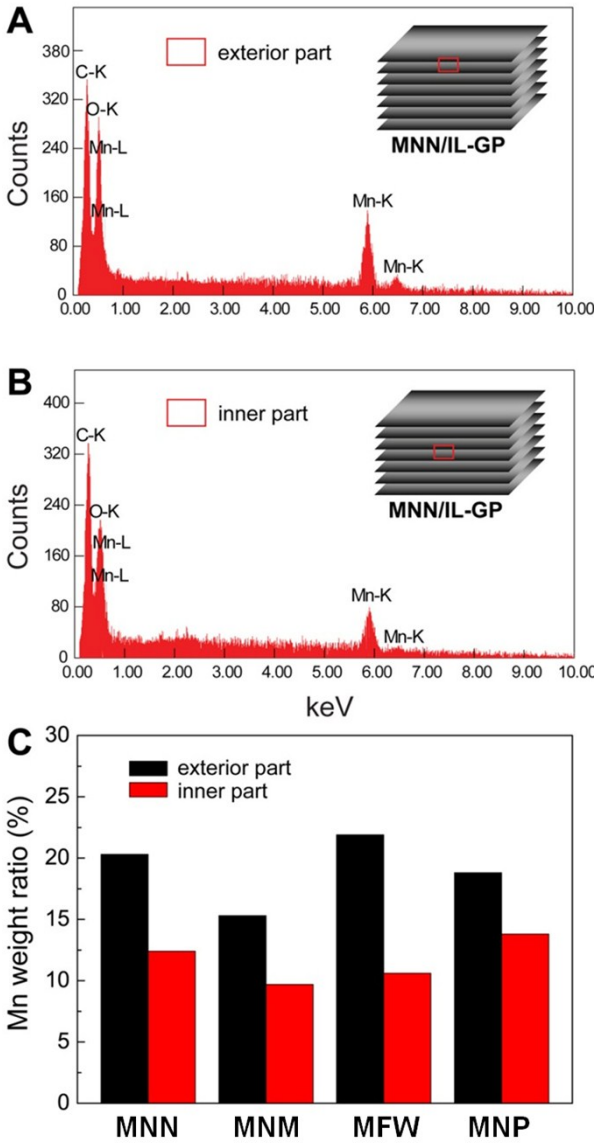

Fig. S1 EDX spectra of (A) inner part and (B) exterior part of MNN/IL–GP. (C) Histograms of MnO_2 weight ratio for MNN/IL–GP, MNM/IL–GP, MFW/IL–GP and MNP/IL–GP electrodes estimated from the corresponding EDX analysis.

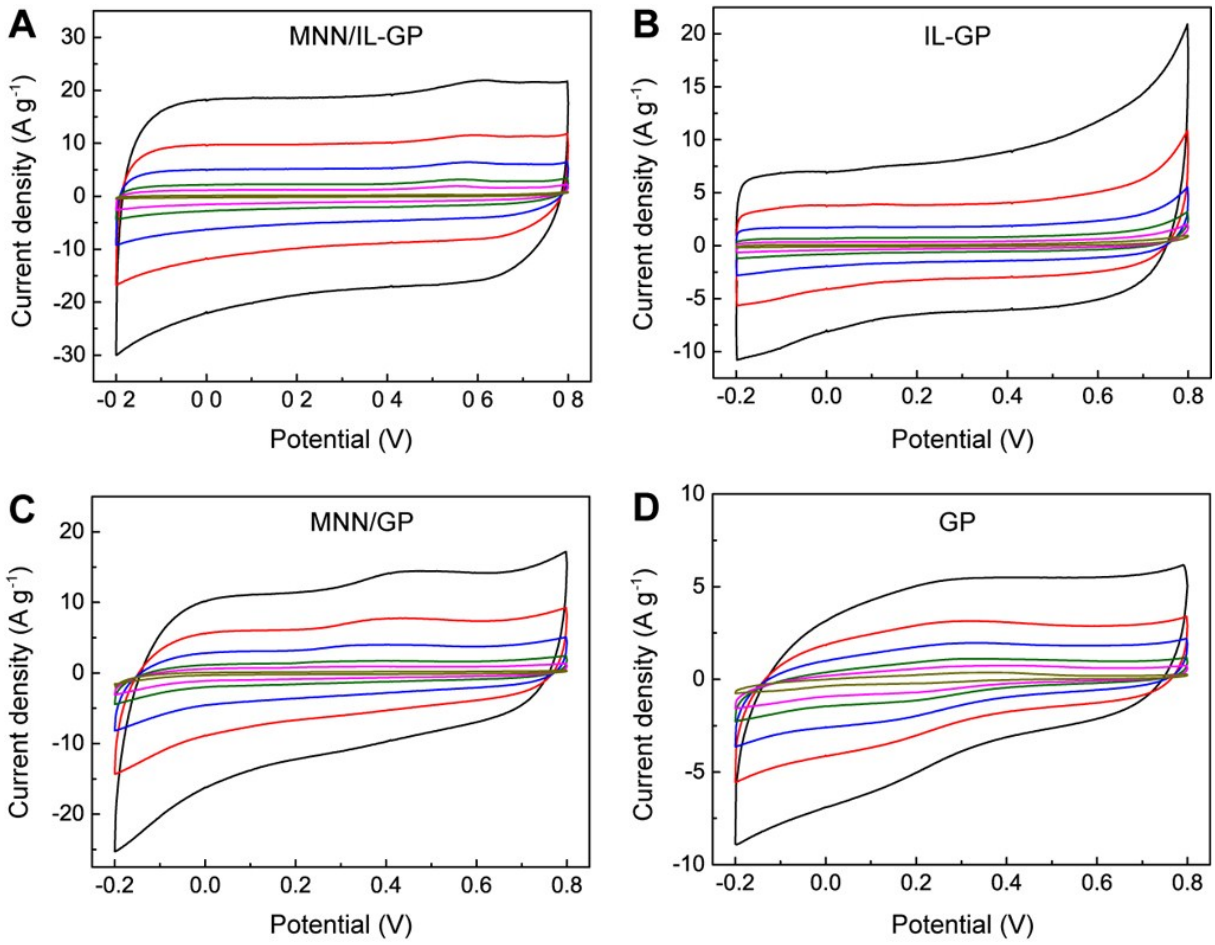

Fig. S2 CV curves of (A) MNN/IL–GP, IL–GP, MNN/GP and GP at different scan rates (2, 5, 10, 20, 50, 100 and 200 mV s^{-1}, from inner to outer) in 1.0 M aqueous Na_2SO_4 electrolyte.

Table R1 Comparison of the integrated area of CV curves and C_s derived from GV charging/discharging curves of different electrodes.

Electrodes	Integrated area (V A g^{-1}) of CV curves	C_s (F g^{-1}) derived from GV charging/discharging curves at different current densities					
		1 A g^{-1}	2 A g^{-1}	5 A g^{-1}	10 A g^{-1}	20 A g^{-1}	50 A g^{-1}
GP	3.8	85	69	56	37	22	10
IL–GP	6.3	268	242	210	180	143	108
MNN/GP	8.6	180	163	129	102	87	66
MNN/IL–GP	13.5	415	400	375	346	315	297
MNM/IL–GP	10.5	321	305	276	252	226	210
MFW/IL–GP	8.5	256	240	221	197	174	152
MNP/IL–GP	7.4	218	185	155	136	113	84