Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Supplementary Information

Graphene oxide self-assembled with cationic fullerene for high performance pseudo-capacitors

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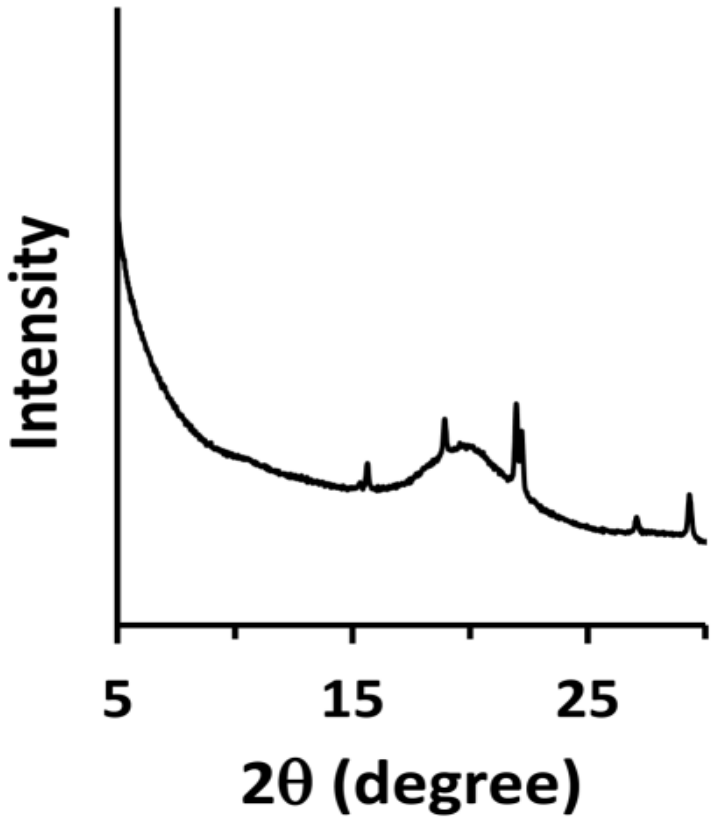

Fig. S1 XRD pattern of CFU.

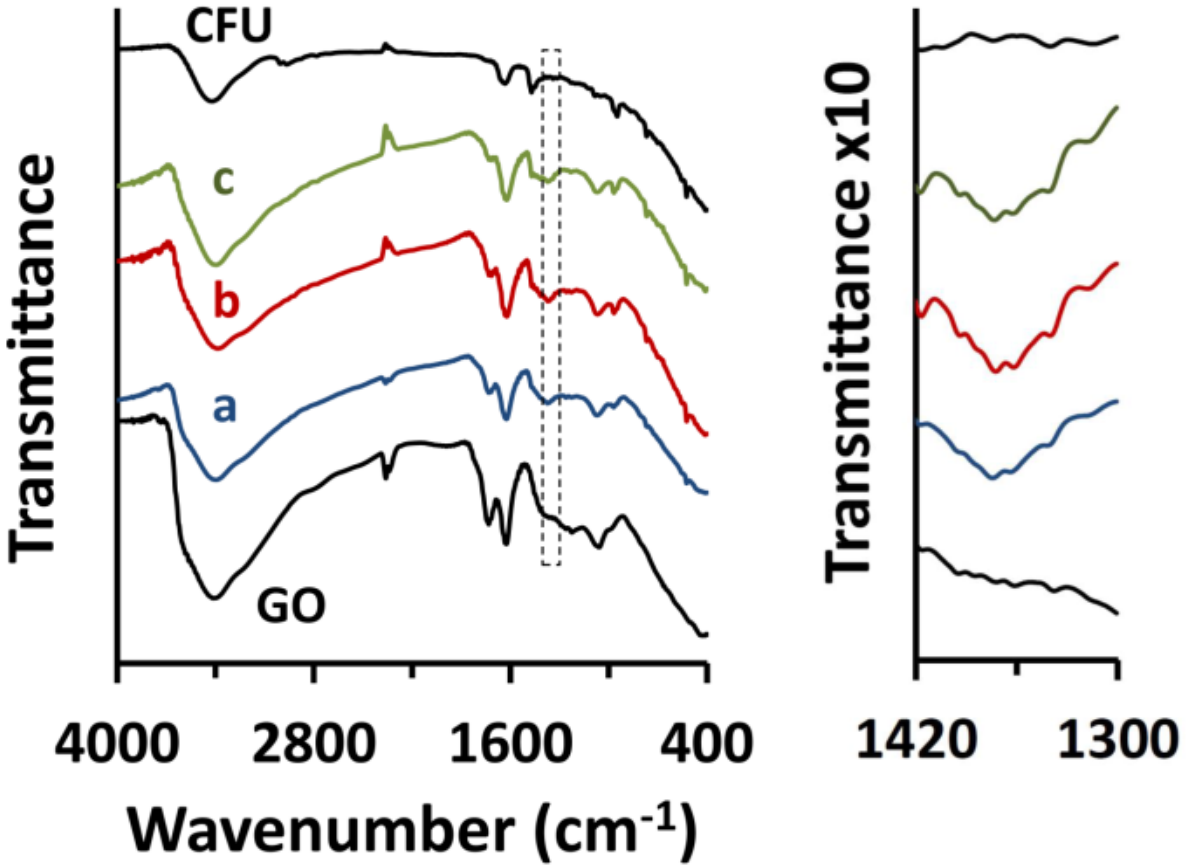

Fig. S2 (Left panel) FTIR spectra of GO, CFU, (a) GO/CFU(1/0.5), (b) GO/CFU(1/1), and (c) GO/CFU(1/2).

(Right panel) Expanded view of a dotted rectangle on the left panel.

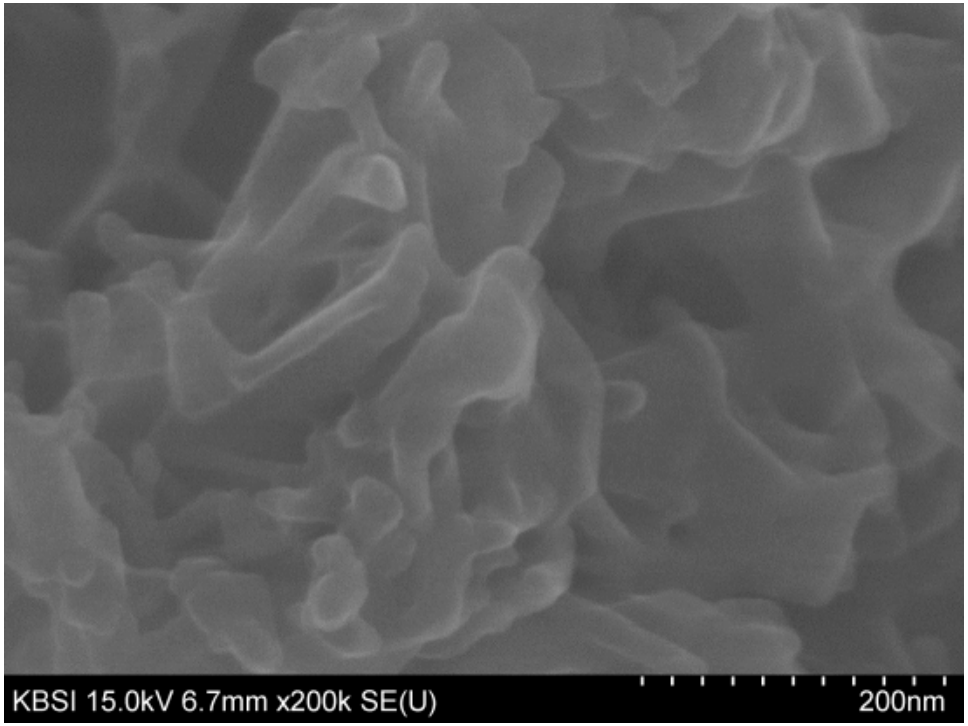

Fig. S3 FESEM image of CFU

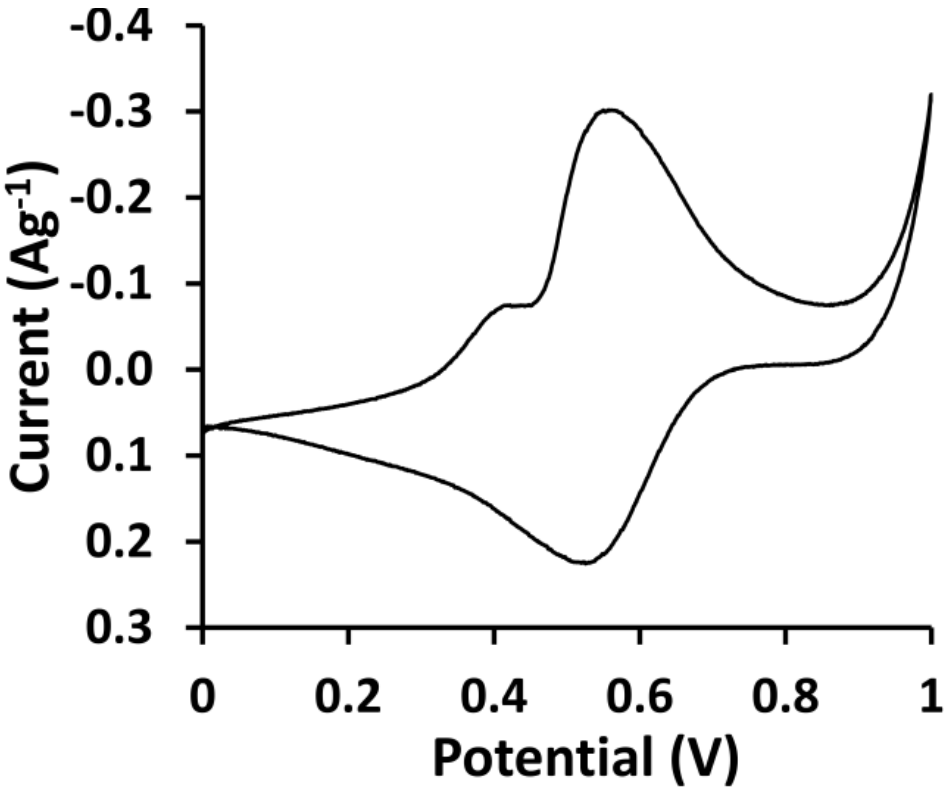

Fig. S4 Cyclic voltammogram (2nd cycle) of CFU in 1.0 M H_2SO_4 at a scan rate of 5 mVs^{-1}. A pair of reversible peaks corresponds to the redox process of iodide counter ions in CFU. When compared with Fig. 7, the current level was also quite low. Note that, due to continuous leaching-out of CFU from the film, steady-state voltammogram could not be obtained.