Electronic Supplementary Information (ESI) for

Bacteria promoted hierarchical carbon materials for high-performance supercapacitor

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Fig. S1 XPS of F-GO-E (a), (c), (e), (g), and P-F-GO-E (b), (d), (f), (h).

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Fig. S2 XRD of F-GO-E and P-F-GO-E.



Fig. S3 Raman spectra of F-GO-E and P-F-GO-E.



Fig. S4 FTIR of F-GO-E and P-F-GO-E.

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Fig. S5 Nitrogen adsorption/desorption isotherms (a) and pore size distribution (b) of P-F-GO.

Sample	\mathbf{S}_{BET}	S _{mic}	S_{mic}/S_{BET}	V _{tol}	V _{mic}	V_{mic} / V_{tol}
	$(m^2 g^{-1})$	$(m^2 g^{-1})$	(%)	$(cm^3 g^{-1})$	$(cm^3 g^{-1})$	(%)
F-GO-E	7.831	4.522	57.7	6.354E-02	1.395E-03	2.19
P-F-GO	445.3	10.24	2.30	3.25	5.406E-03	0.17
P-F-GO-E	181.6	103.2	56.8	0.74	5.200E-02	7.03

Table S1 Calculated porosity parameters of F-GO-E, P-F-GO and P-F-GO-E.



Fig. S6 SEM images of P-F-GO-E before (a) and after (b) 1 000 cycles of charge/discharge.

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Fig. S7 TGA curve of the F-GO-E.



Fig. S8 SEM images of P-F-GO-E pyrolyzed at 750 °C. The right was the corresponding high-magnification image.