

Electronic Supplementary Information
for
Graphene aerogel supported $\text{Fe}_5(\text{PO}_4)_4(\text{OH})_3 \cdot 2\text{H}_2\text{O}$
microspheres as high performance cathode for lithium ion
batteries

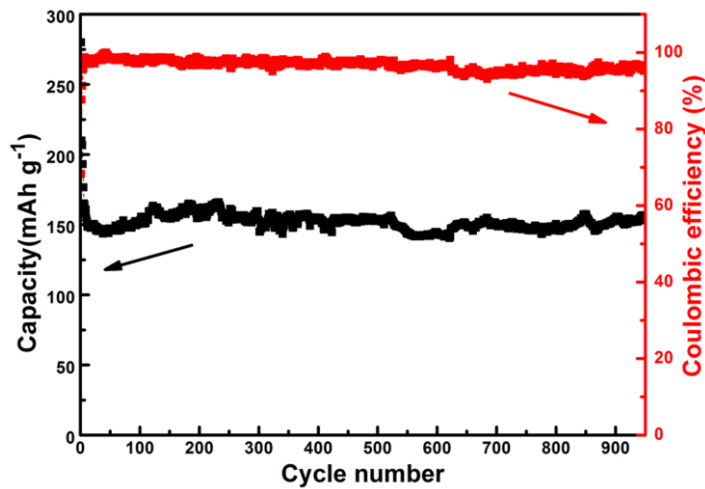


Fig. S1 Cycling performance of GA/IHPDs hybrids at a current density of 50 mA g^{-1} and the corresponding Coulombic efficiency.

Table S1 Kinetic parameters of IHPDs and GA/IHPDs electrodes

Samples	IHPDs-Before	GA/IHPDs-Before	IHPDs-After	GA/IHPDs-After
$R_s (\Omega)$	3.4	4.1	23.9	6.7
$R_{ct} (\Omega)$	53.9	117.7	280.1	91.3
CPE (μF)	1.95	3.06	2.23	0.81

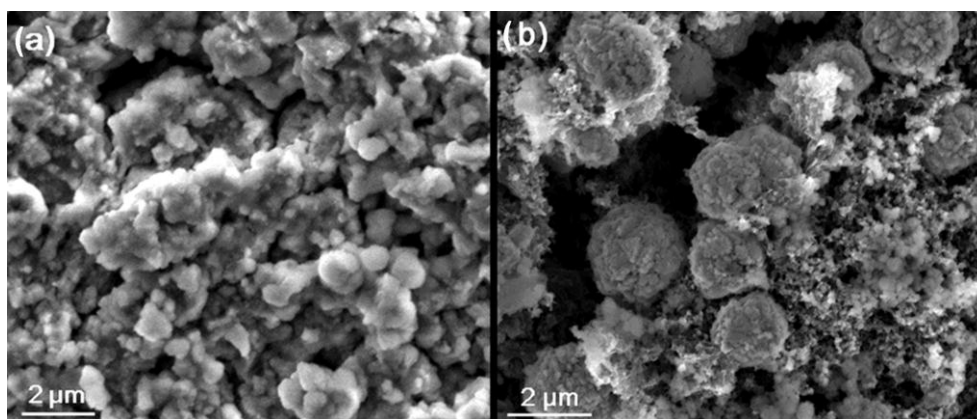


Fig. S2 Representative SEM images of IHPDs (a) and GA/IHPDs hybrids (b) cathode after 140 discharge–charge cycles.