

Electronic Supplementary Information (ESI)

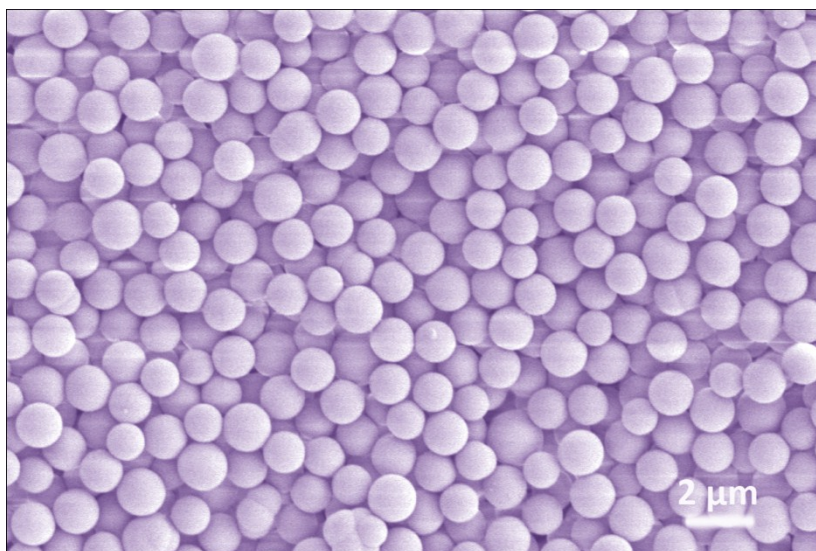


Fig. S1 the panoramic FESEM image of the Ni-Co-Mn glycerate precursor.

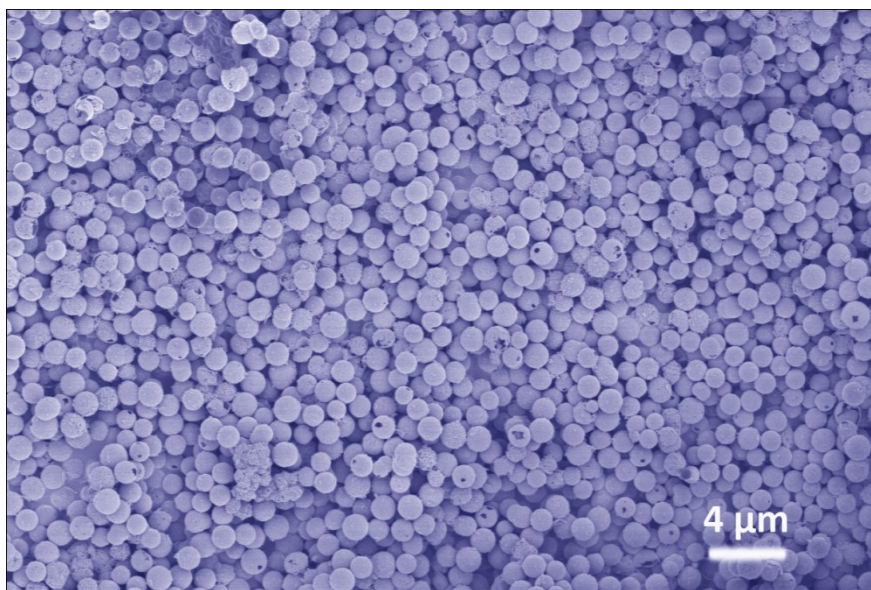


Fig. S2 the panoramic FESEM image of the Ni-Co-Mn sulfide yolk-shell hollow spheres.

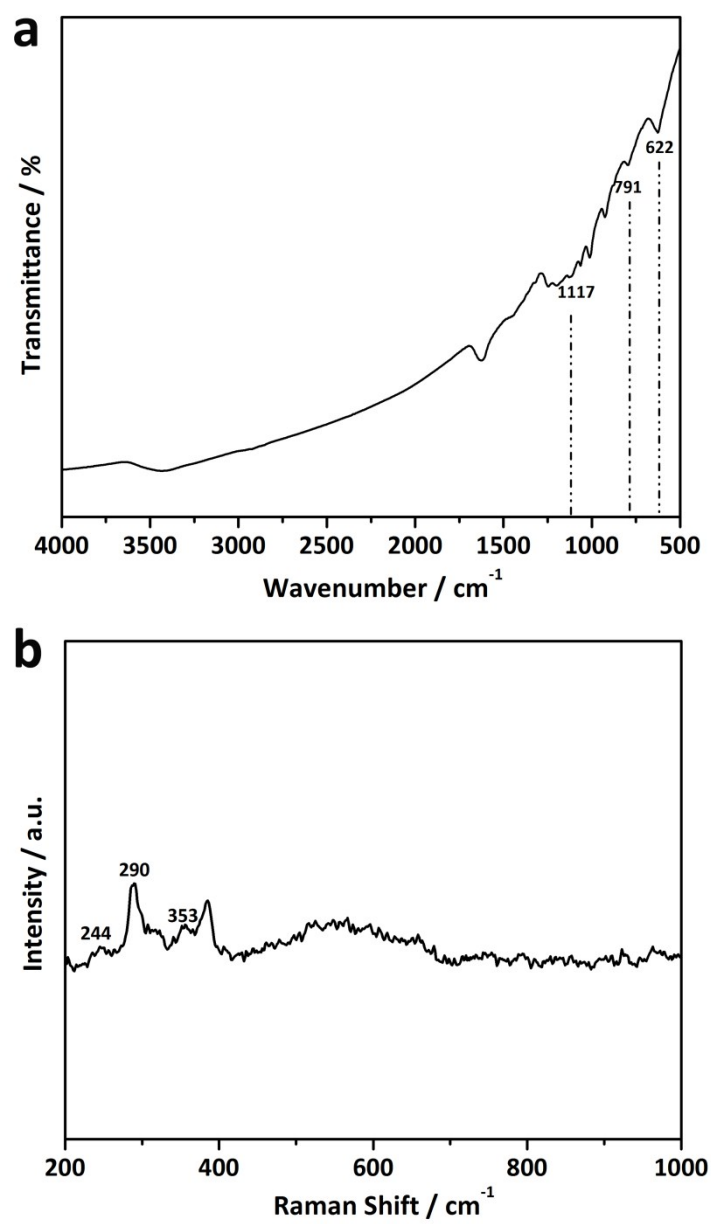


Fig. S3 (a) FTIR and (b) Raman spectrum of the Ni-Co-Mn sulfide yolk-shell hollow spheres.

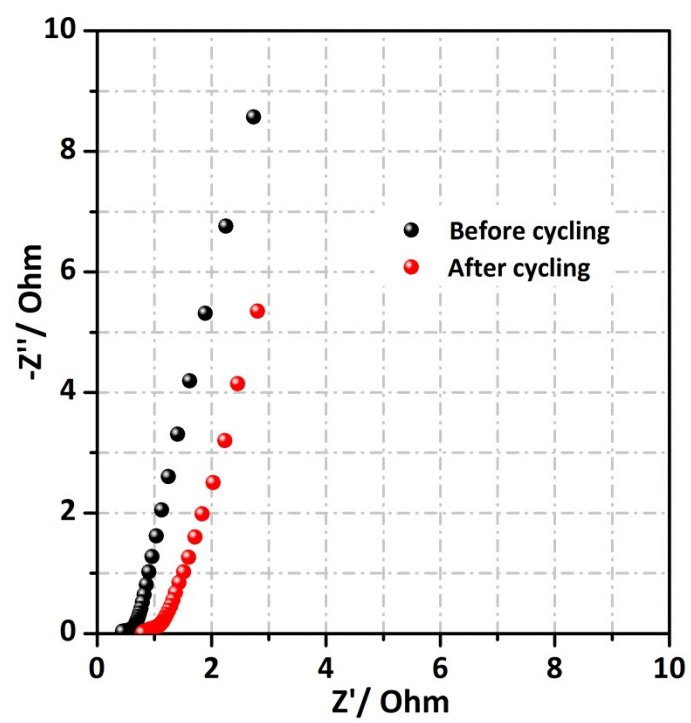


Fig. S4 Electrochemical impedance spectra of the Ni-Co-Mn sulfides//AC-ASC device before and after cycling.

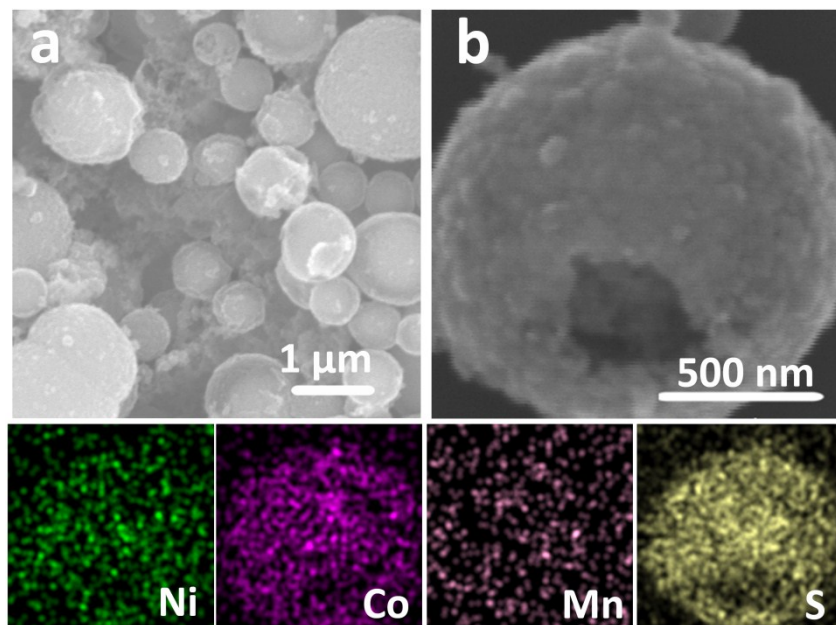


Fig. S5 (a) FESEM image of Ni-Co-Mn sulfide yolk-shell hollow spheres after 6000 charging-discharging cycles at 4.0 A g^{-1} as electrodes for supercapacitors, (b) FESEM image and elemental mapping of Ni-Co-Mn sulfide yolk-shell hollow spheres after 6000 charging-discharging cycles.