

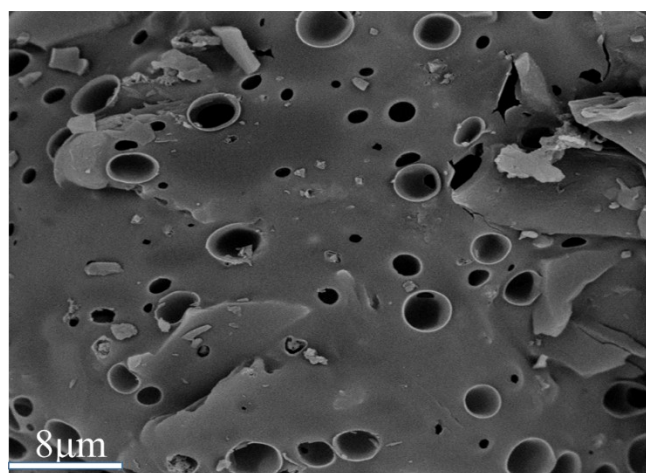


Figure S1 SEM images of RMAC-4 with low magnification

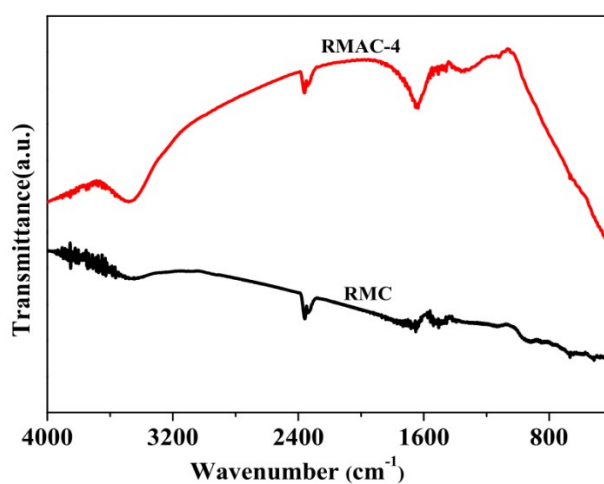


Figure. S2 FT-IR spectra of RMC and RMAC-4 materials

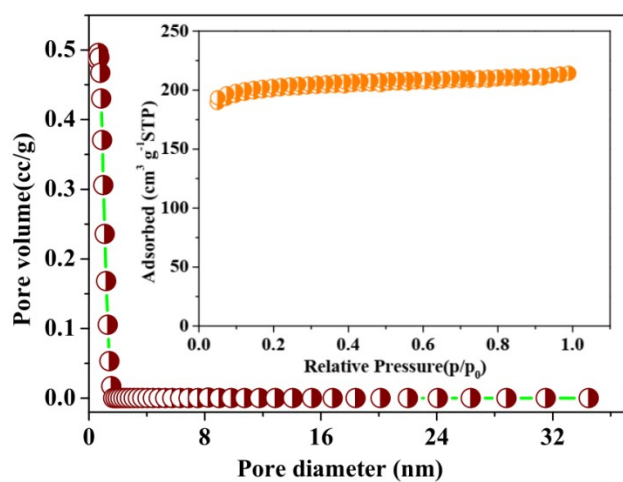


Figure. S3 N₂ adsorption/desorption isotherms (inset) and the pore size distribution of RMAC-4

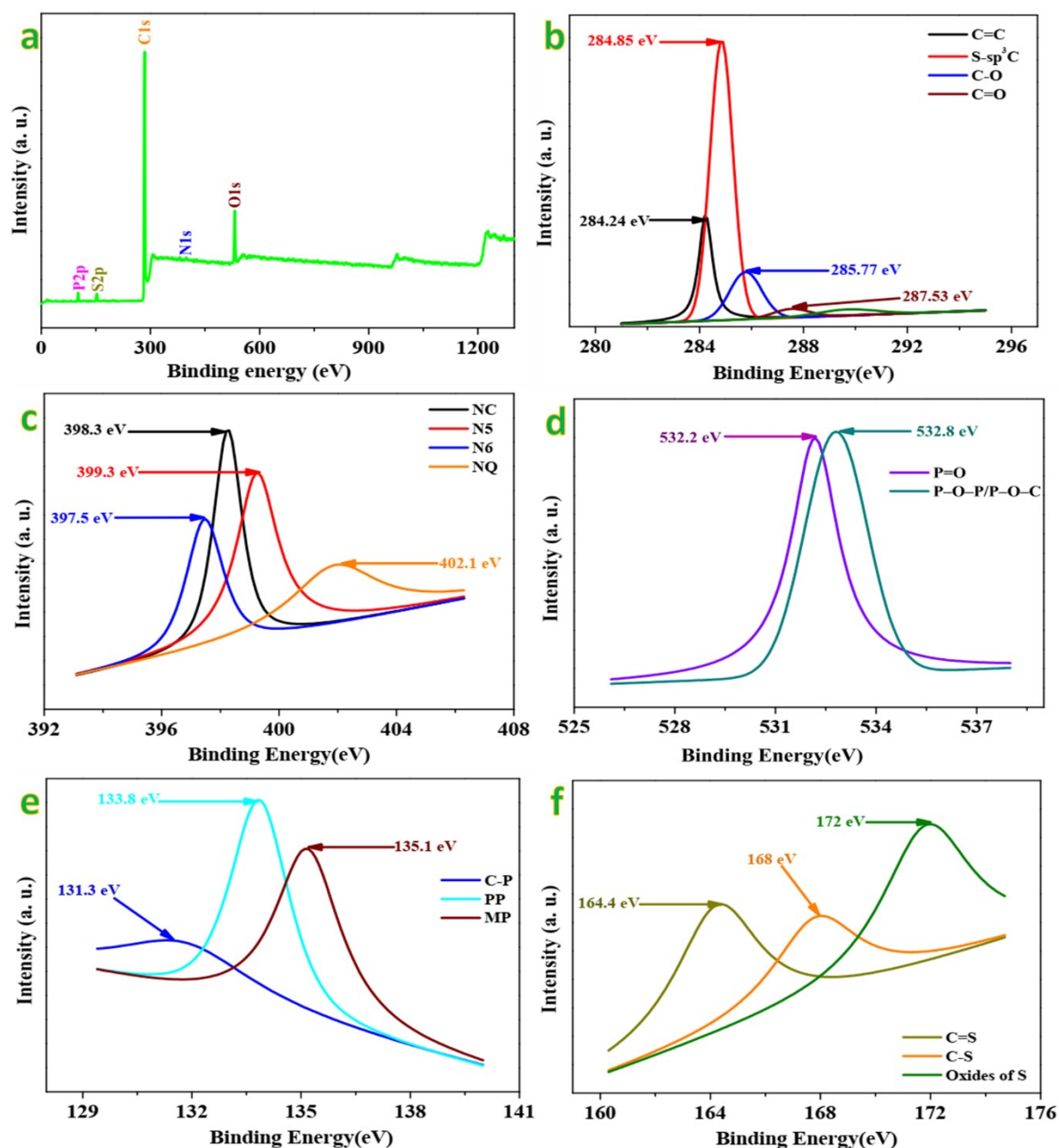


Figure. S4 (a) XPS survey spectrum of RMC; (b) High resolution C1s of RMC; (c) High resolution N1s of RMC; (d) High resolution O1s of RMC; (e) High resolution P2p of RMC; (f) High resolution S2p of RMC.

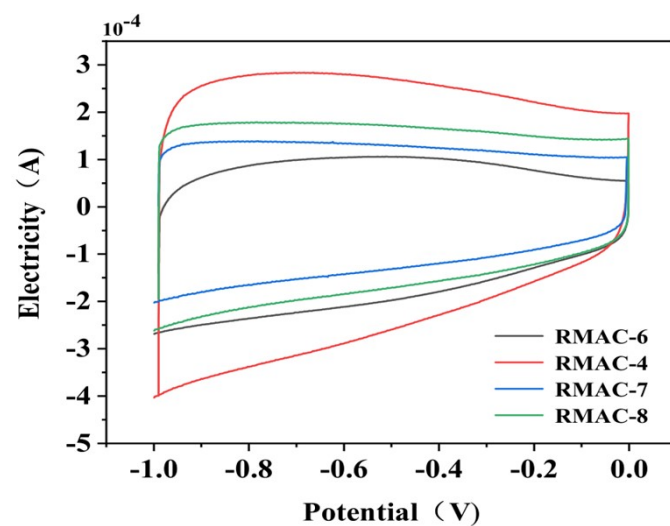


Figure. S5 CV curves of RMAC samples prepared under different temperature at 100 mV/s

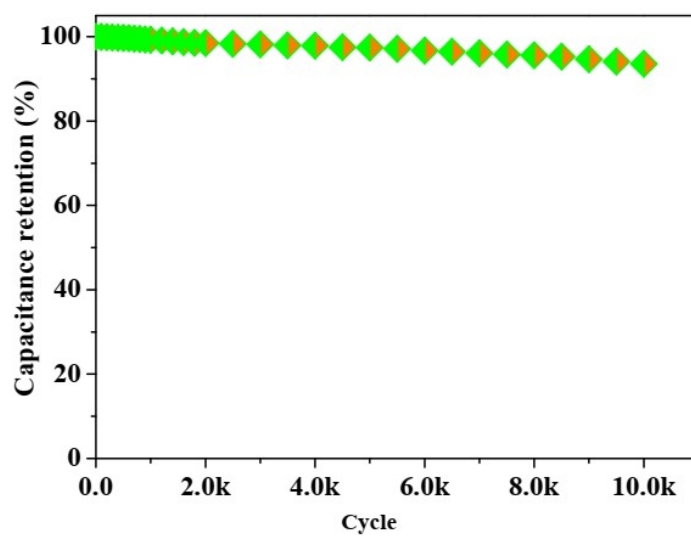


Figure. S6 Cycling performance of RMAC-4 at 10 A g⁻¹

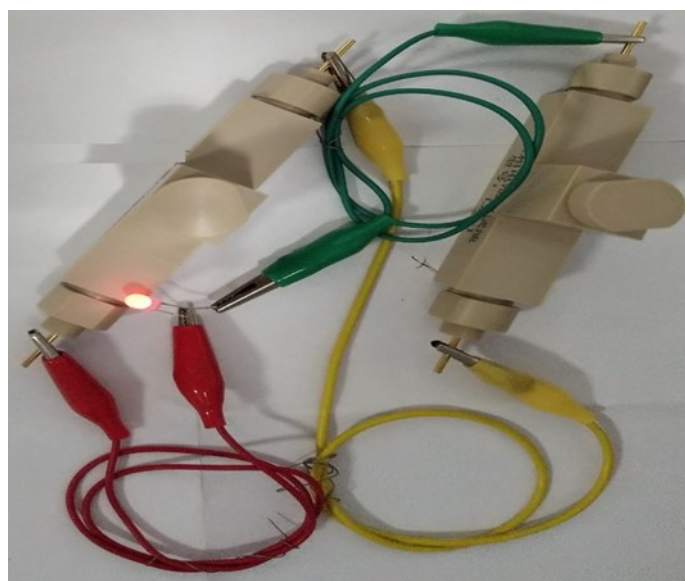


Figure. S7 Photograph of a lit LED bulb