

Figure S1 HRTEM and EDX images of PSAC-3

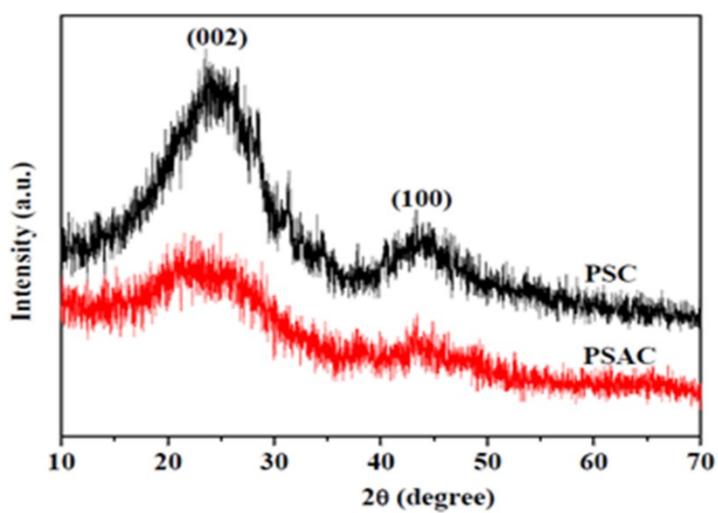


Figure S2 XRD patterns of PSC and PSAC-3

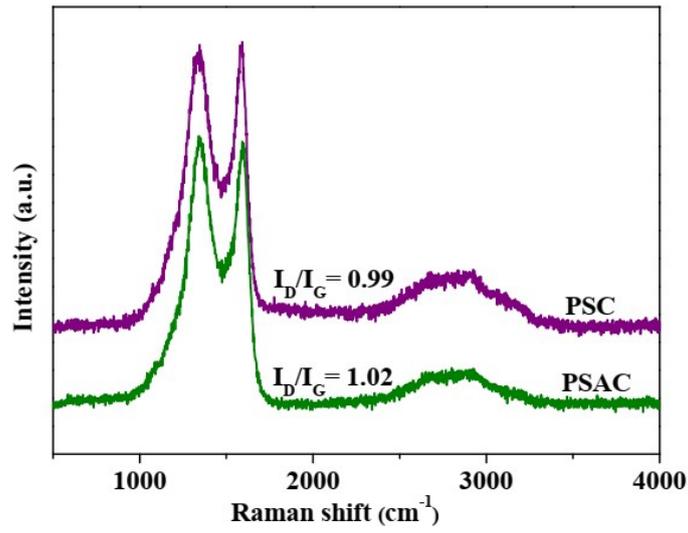


Figure S3 Raman spectrum of PSC and PSAC-3.

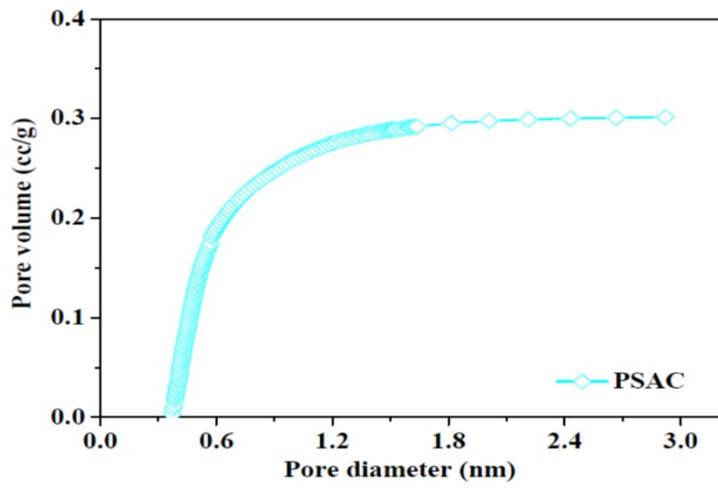


Figure S4 The pore size distribution of PSAC-3

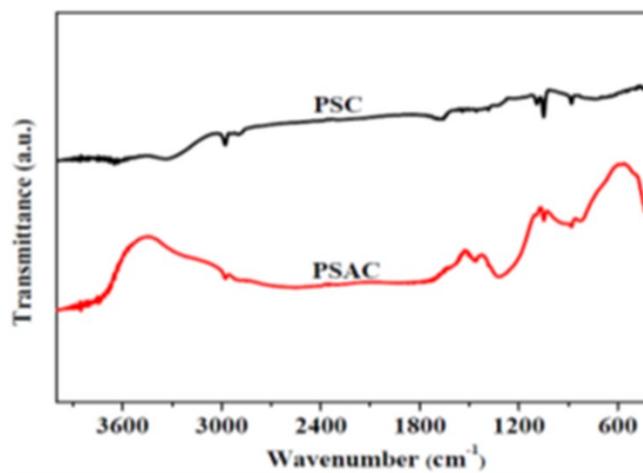


Figure S5 FT-IR spectra of PSC and PSAC-3

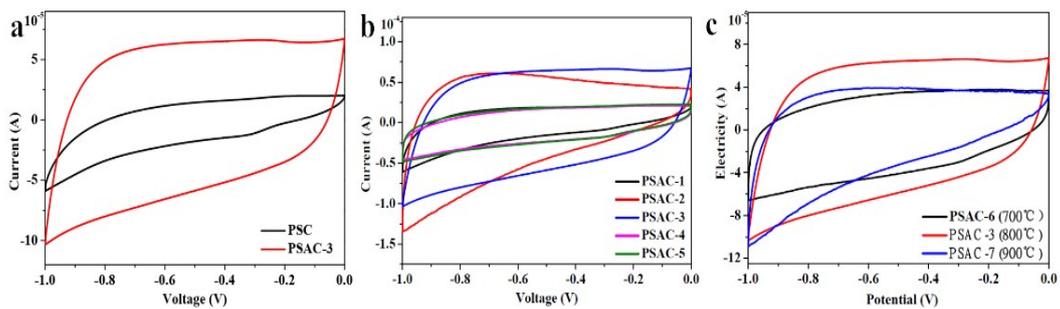


Figure S6 (a) CV curves of PSC and PSAC-3 at the scan rates of 100 mV s^{-1} . (b) CV curves of PSAC samples prepared with different mass ratio of precursor/KOH at the scan rates of 100 mV s^{-1} . (c) CV curves of PSAC samples prepared under different temperature at the scan rates of 100 mV s^{-1} .

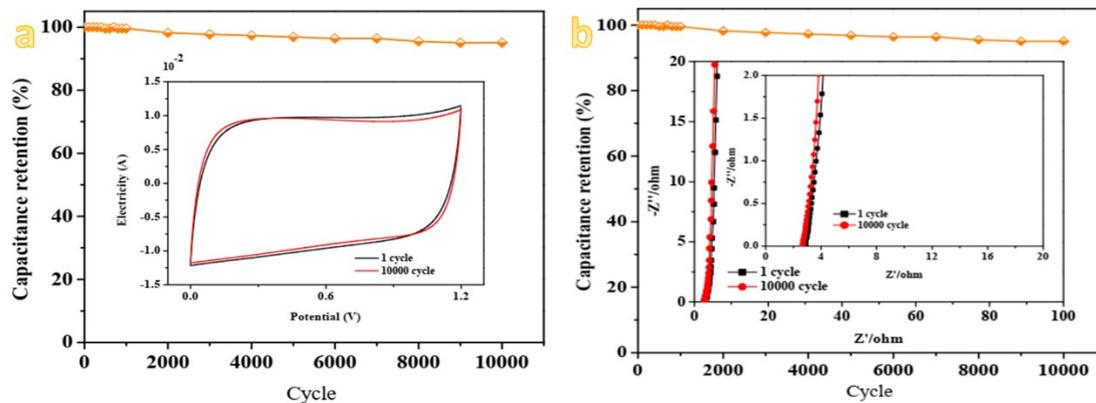


Figure S7 (a) Cycle performance of the PSAC symmetrical supercapacitor at 10 A g^{-1} (insert photograph of CV curves for recycling); (b) Cycle performance of the PSAC symmetrical supercapacitor at 10 A g^{-1} (insert photograph of Nyquist plots for recycling)