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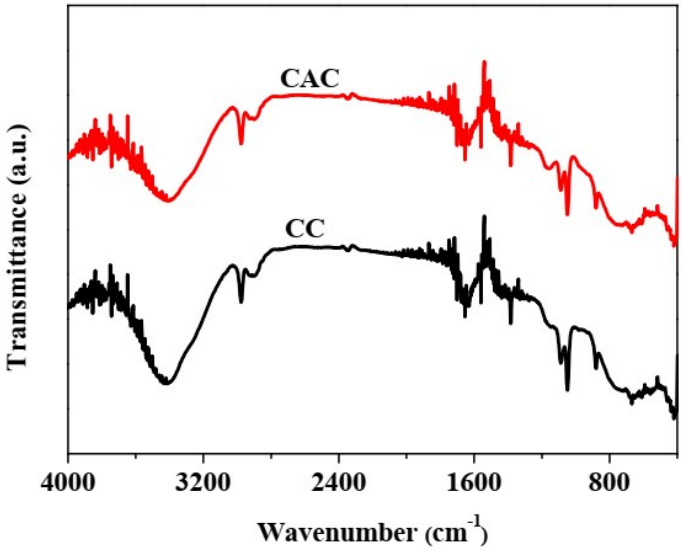

Figure S1 FT-IR spectra of CC and CAC

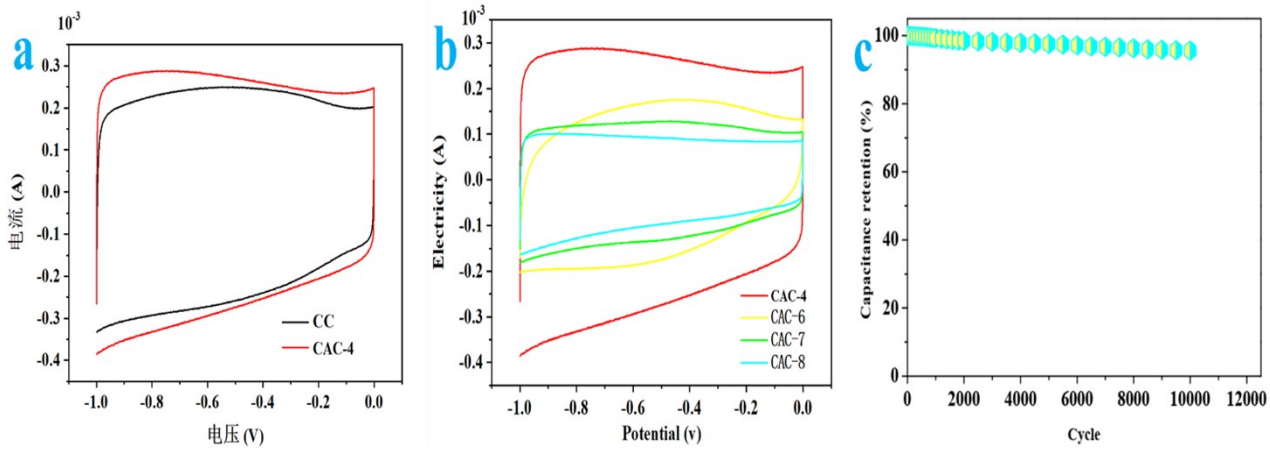

Figure S2 (a) CV curves of CAC-4 and CC at 100 mV/s. (b) CV curves of CAC samples prepared under different temperature at 100 mV/s. (c) Cycling performance of CAC-4 at 10 A g^{-1}.

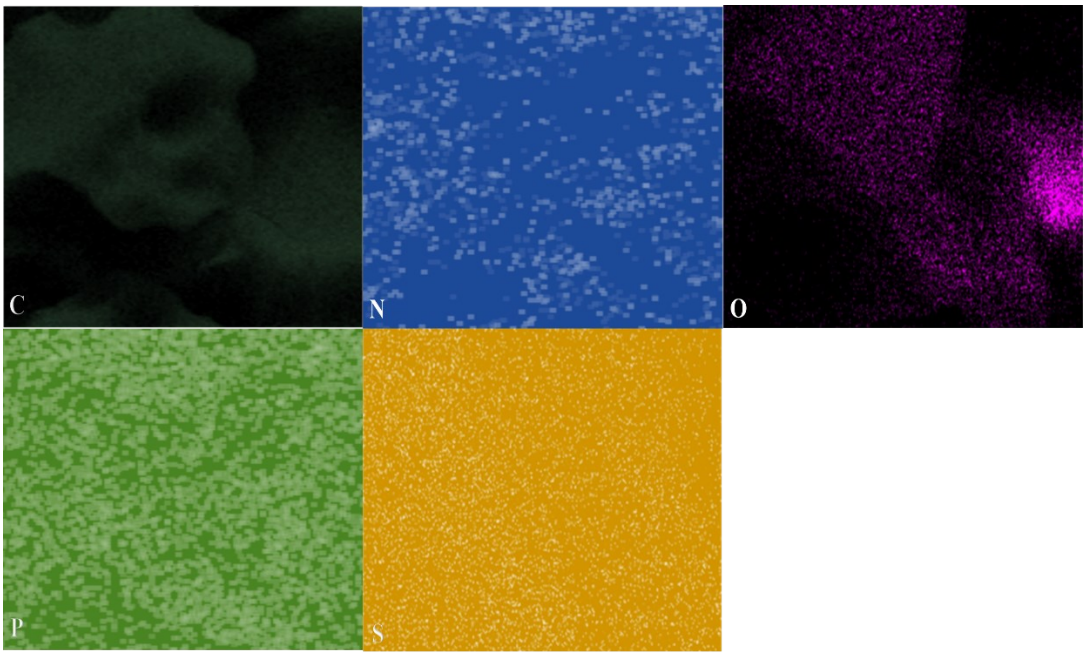

Figure S3 Elemental mapping images of C, N, O, P and S.