

Fig. S1 SEM images: (a-c) BRC-3; (d-f) BRC-4

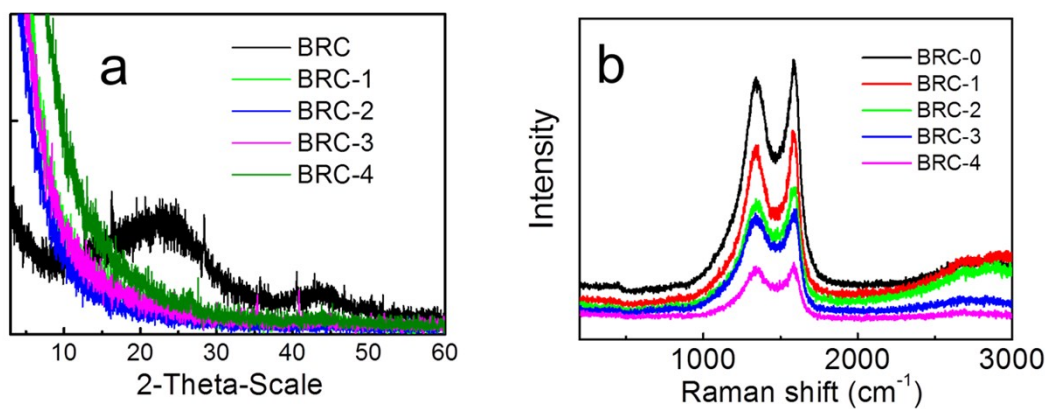


Fig. S2 (a) XRD patterns and (b) Raman spectra of the BRC-x materials

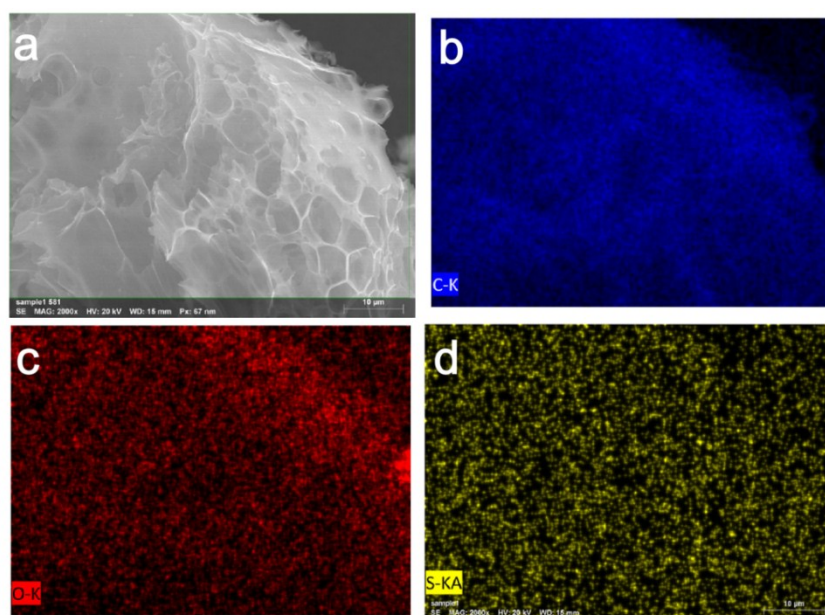


Fig. S3 EDS mapping of BRC-2: (a) selected area, (b) C, (c) O and (d) S

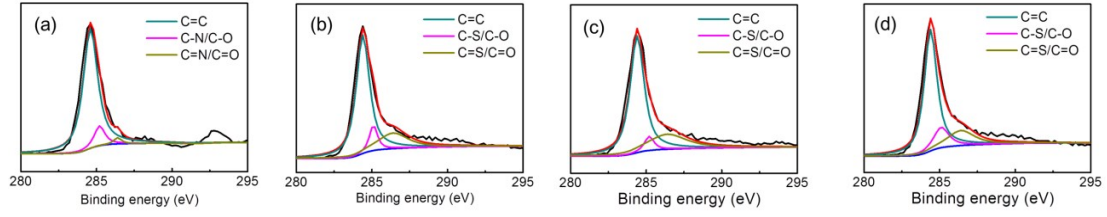


Fig. S4 C1s spectra (a) BRC, (b) BRC-1, (c) BRC-3 and (d) BRC-4

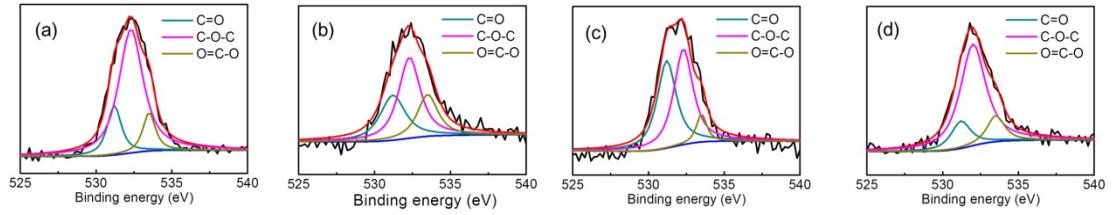


Fig. S5 O1s spectra (a) BRC, (b) BRC-1, (c) BRC-3 and (d) BRC-4

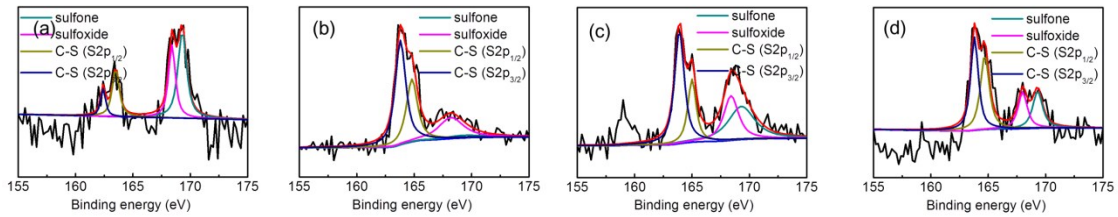


Fig. S6 S2p spectra (a) BRC, (b) BRC-1, (c) BRC-3 and (d) BRC-4

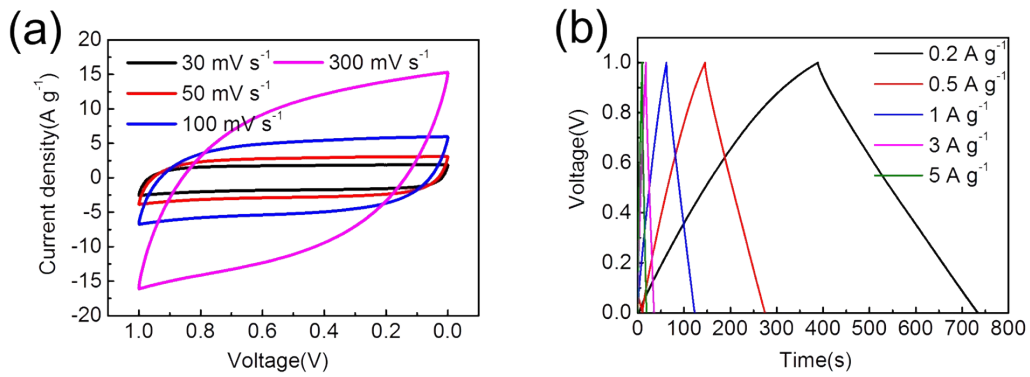


Fig. S7 (a) CV curves and (b) Galvanostatic charge/discharge curves of BRC-2

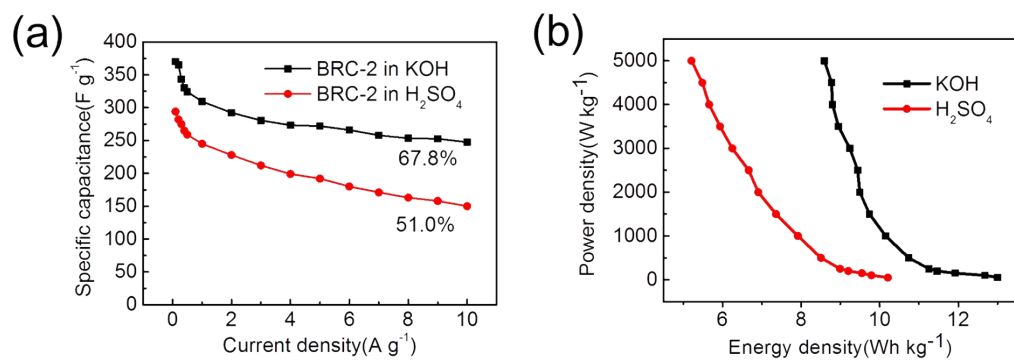


Fig. S8 Comparison of BRC-2 in KOH and H_2SO_4 electrolyte