

Electronic Supplementary Information (ESI) for

**Cetyltrimethylammonium bromide intercalated
graphene/polypyrrole nanowire composites for high performance
supercapacitor electrode**

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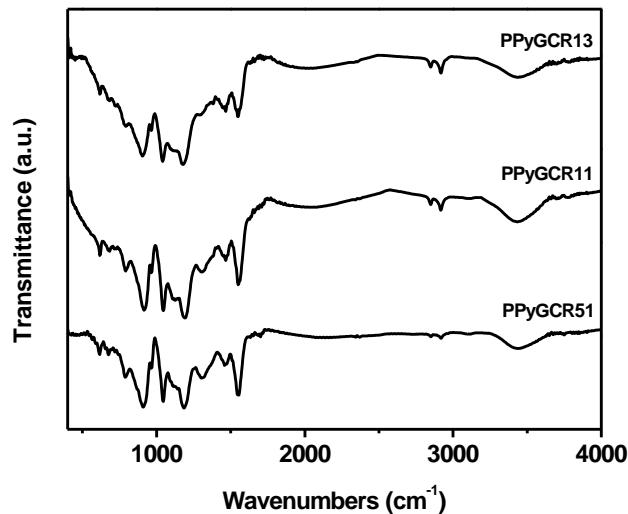


Fig. S1 FT-IR spectra of PPyGCR51, PPyGCR11 and PPyGCR13 composites.

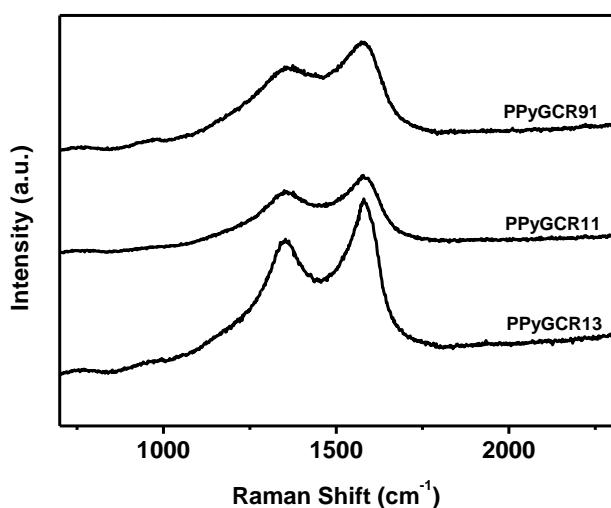


Fig. S2 Raman spectra of PPyGCR91, PPyGCR11, PPyGCR13 composites.

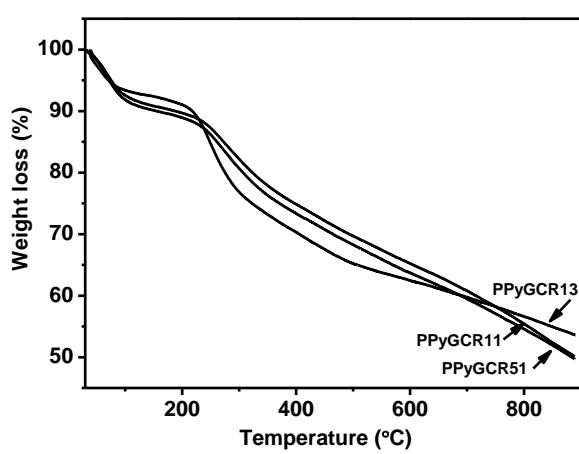


Fig. S3 TGA curves of PPyGCR51, PPyGCR11, PPyGCR13 composites.

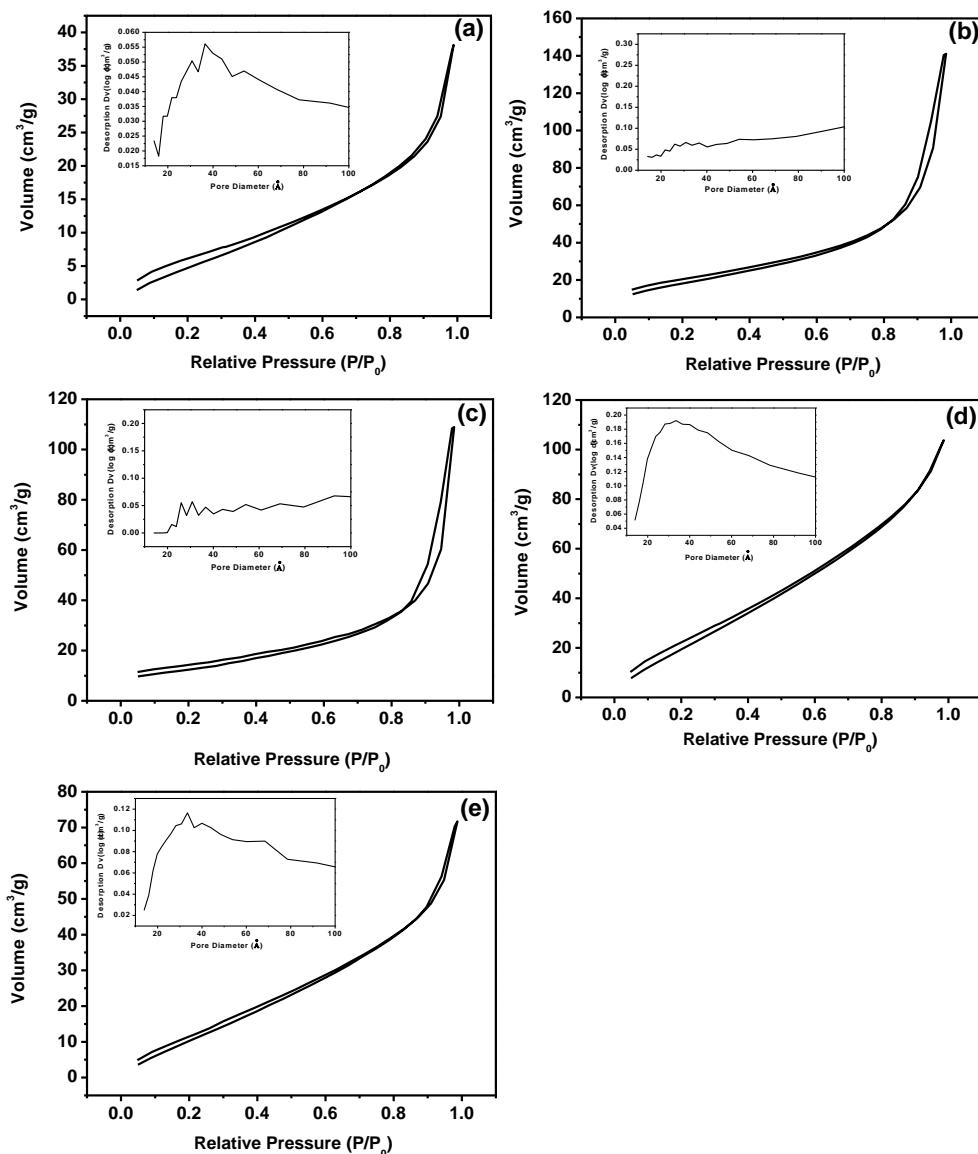


Fig. S4 N_2 adsorption–desorption isotherms of GCR (a), PPy (b), PPyGCR51 (c), PPyGCR11 (d), and PPyGCR13 (e). The insets are the corresponding pore-size distributions.

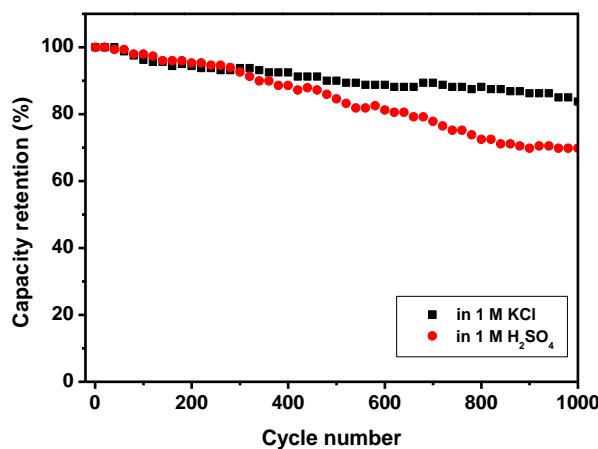


Fig. S5 Capacity retention of PPyGCR91 in 1 M KCl and 1 M H_2SO_4 versus the number of charge/discharge cycles under current density of 2 A g^{-1} .