

Supplementary Information

Superior performance of flexible solid-state supercapacitor enabled by ultrafine graphene quantum dots decorated porous carbon spheres

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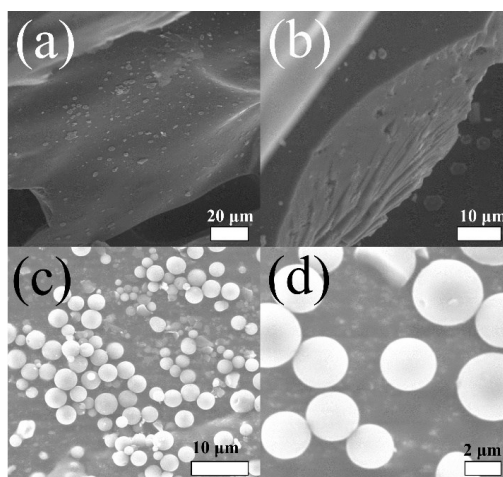


Fig. S1 The SEM images of GQDDC (a and b) and RFSC (c and d).

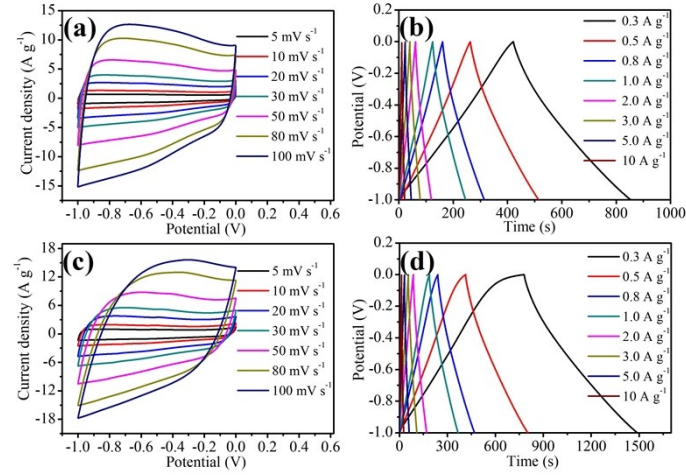


Fig. S2 (a) and (b) The CV and GCD curves of GQDDC; (c) and (d) The CV and GCD curves of RFSC.

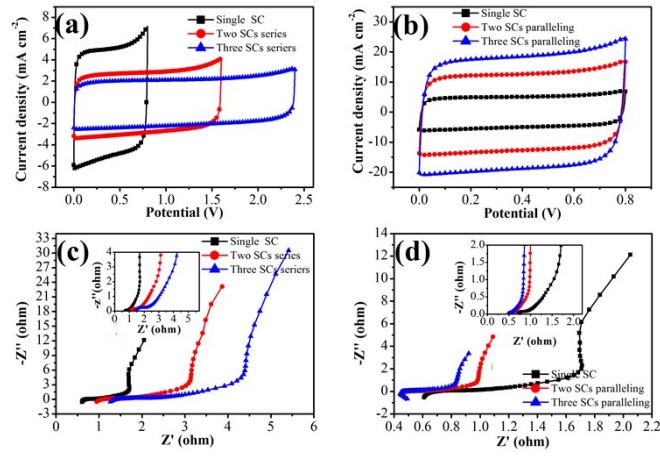


Fig. S3 (a) and (b) The CV curves of FSSSC in series and in paralleling at a scan rate of 35 mV s^{-1} ; (c) and (d) The EIS curves of FSSSC in series and in paralleling, respectively.

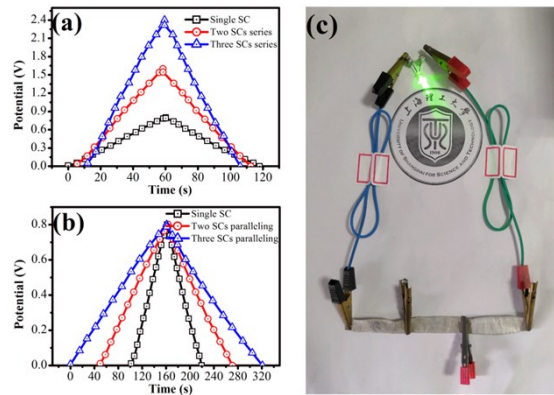


Fig. S4 (a) and (b) The GCD curves of FSSSC in series and in paralleling at a current density of 3

mA cm⁻²; (c) Digital photo of LED powered by three series connected FSSSC.

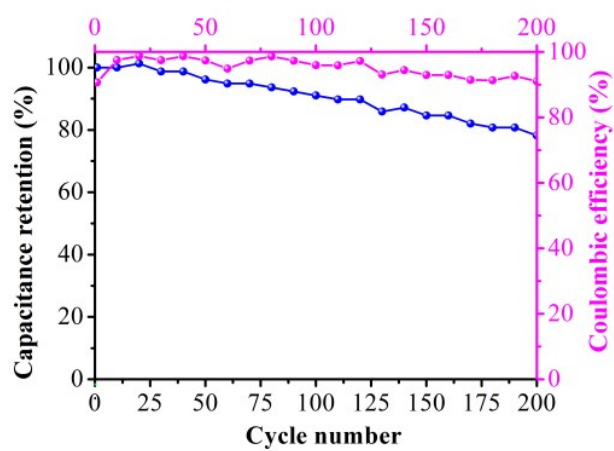


Fig. S5 The stability of FSSSC with bending of 154.4 ° at a current density of 3 mA cm⁻².