

Supplementary Information

Hydrothermal Synthesis of Graphene Quantum Dots Supported on Three-Dimensional Graphene for Supercapacitors

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Figure S1. Photograph of various hydrogels from top view. Hydrogels from left to right are 3DG, GQDs/3DG-10, -40 and -80, respectively.

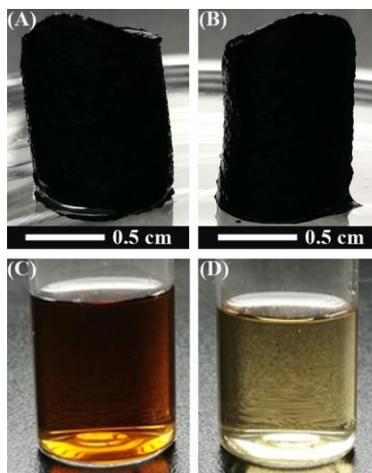


Figure S2. Photographs of different samples in two-step hydrothermal process. 3DG hydrogel (A). GQDs/3DG composite hydrogel (B). The used 0.4 mg mL^{-1} GQDs aqueous dispersion (C). Residual GQDs aqueous dispersion (D).

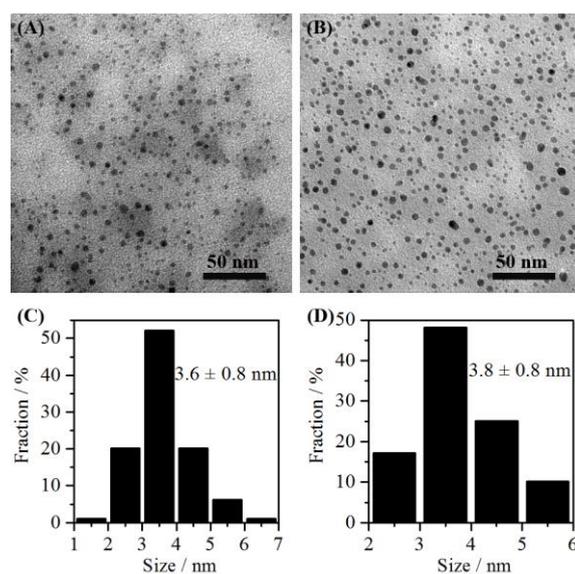


Figure S3. TEM images of GQDs before (A) and after (B) hydrothermal treatment at 180 °C for 4 h. (C) and (D) are the corresponding size distribution, respectively.

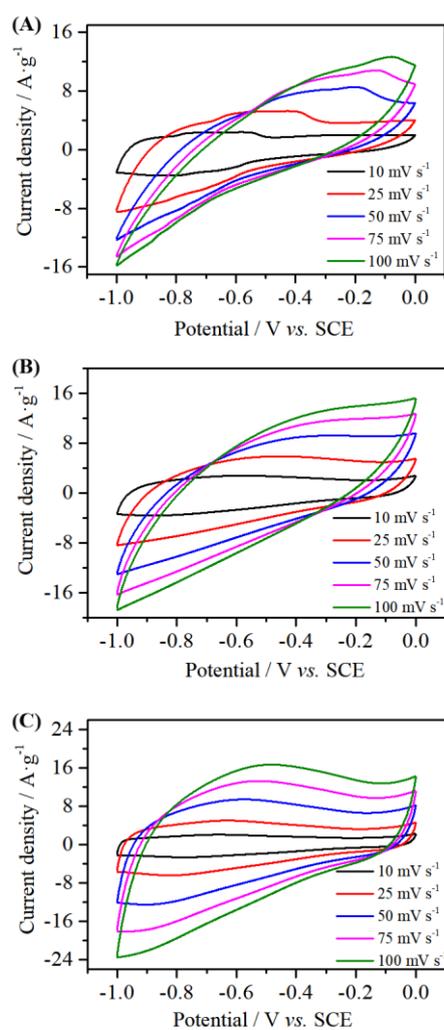


Figure S4. CV curves at different scan rate of 3DG (A), GQDs/3DG-40 (B) and GQDs/3DG-80 (C).

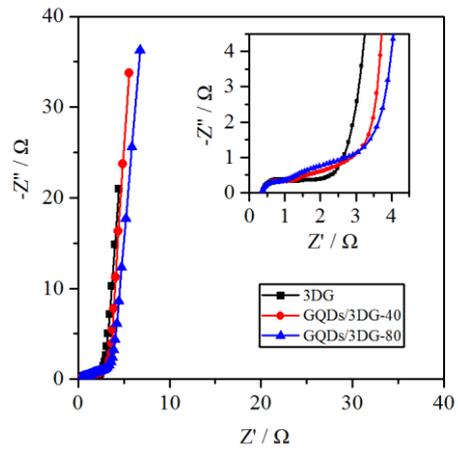


Figure S5. Nyquist plots of three samples