Electronic Supplementary Material (ESI) for Energy & Environmental Science.

Pseudocapacitance and Excellent Cyclability of 2,5-dimethoxy-1,4-benzoquinone on Graphene

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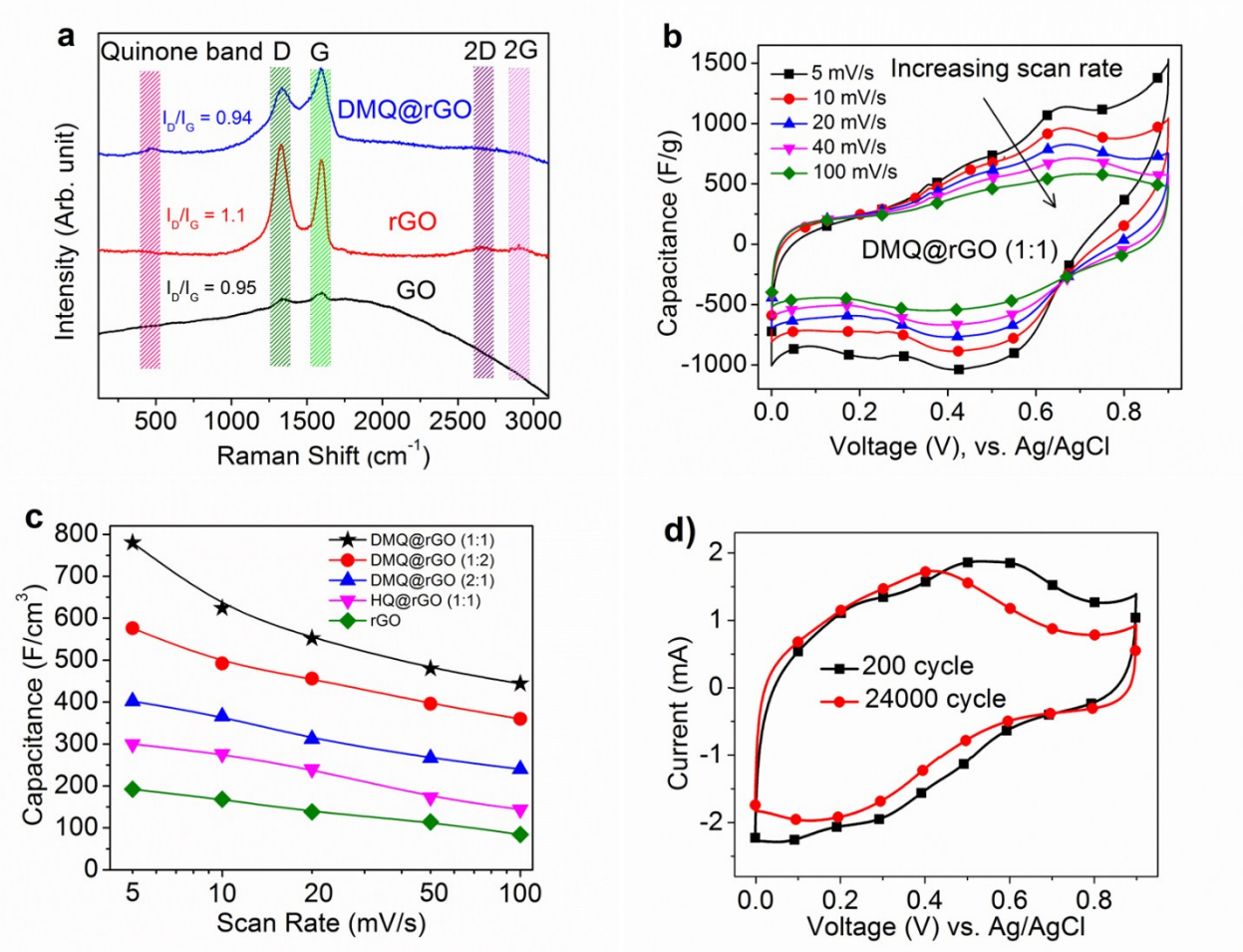

Figure S1: a) Raman spectra of GO, rGO and DMQ@rGO (1:1). b) Cyclic voltammograms of DMQ@rGO (1:1) at various scan rates between 5-100 mV/s. c) Rate performance of tested compositions between 5-100 mV/s, where DMQ@rGO (1:1) exhibited the highest volumetric capacitance and rate handling across all the tested rates. d) CVs of the HQ@rGO (1:1) electrodes at 200th and 24000th cycle.

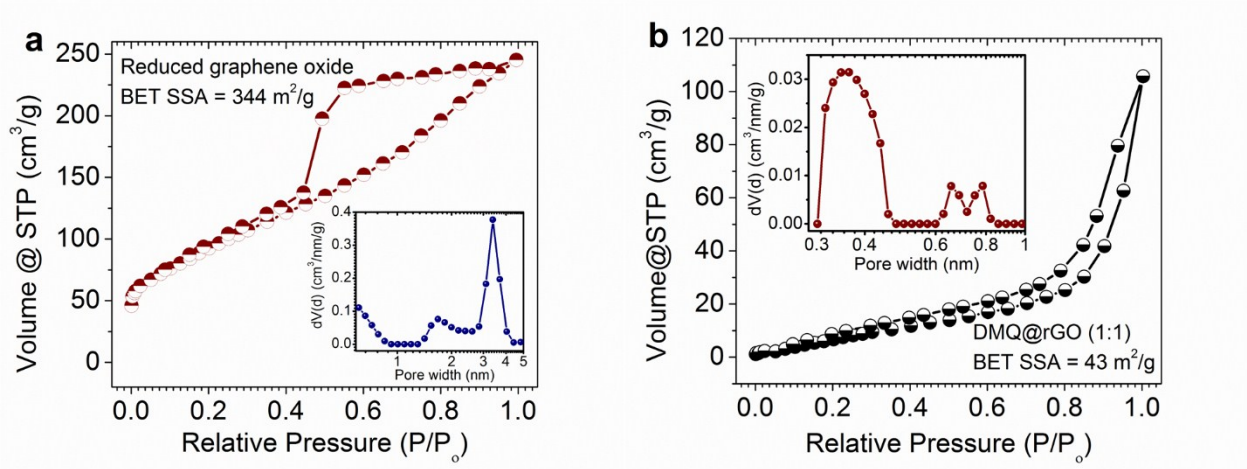

Figure S2: Nitrogen gas sorption isotherms for rGO (a) and DMQ@rGO (1:1) (b). Insets in (a) and (b) show corresponding pore size distributions.