

Supporting information

Full capacitance potential of SWCNT electrode in ionic liquids at 4V

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SI-1 Single walled carbon nanotube sample and graphene sample

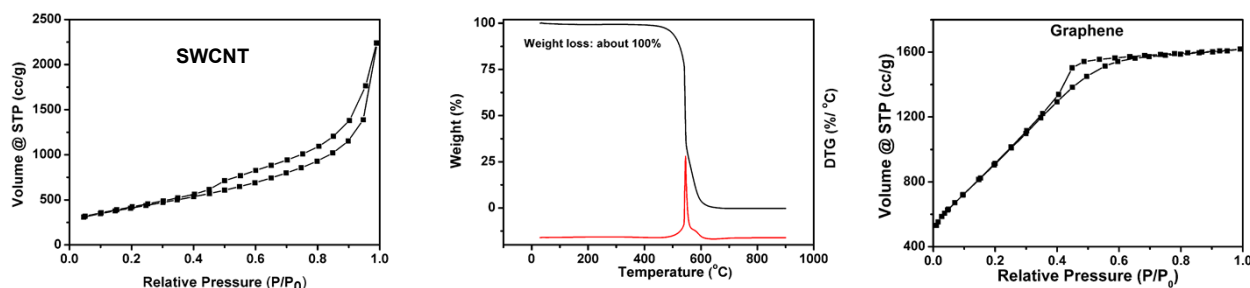


Fig.S1 Nitrogen adsorption (left) and TGA (middle) of SWCNT; Nitrogen adsorption of graphene (right).

SI-2 New charge mode of SCs

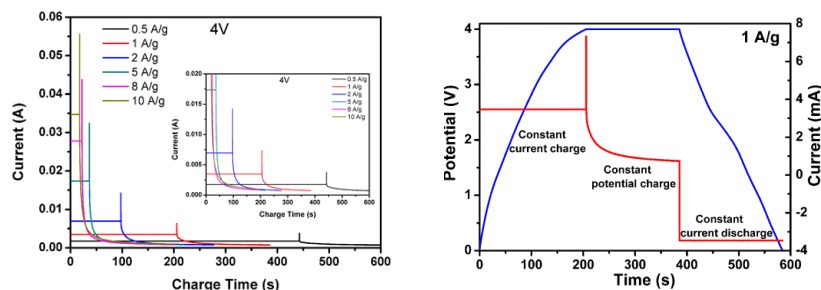


Fig.S2 Current change of SWCNT in new charge mode with different current densities.

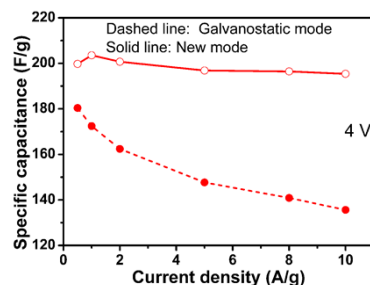
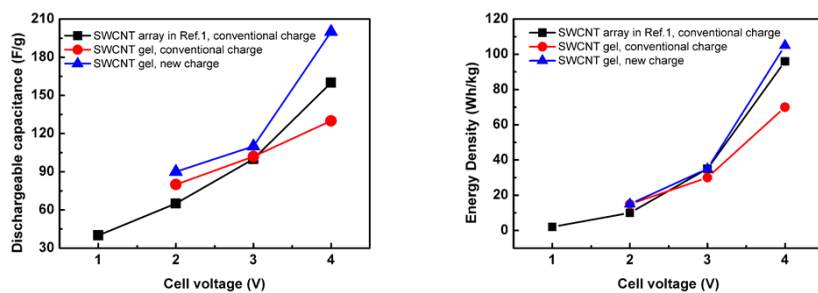


Fig.S3 Capacitance performance of graphene in different charge modes.

1 SI-3 Comparison of SWCNT performance in ILs electrolyte and in organic electrolyte



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3 Fig.S4 Comparison of dischargeable capacitance (left) and energy density (right) of our electrode and electrode
4 in ref. 1h.

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