

Straightforward fabrication of highly branched graphene nanosheet array for Li-ion battery anode

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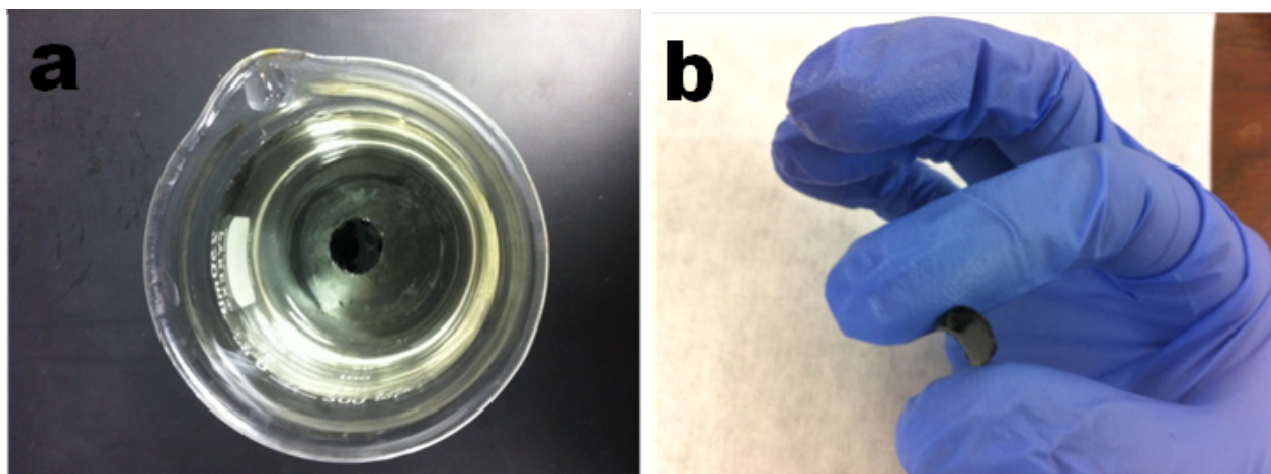
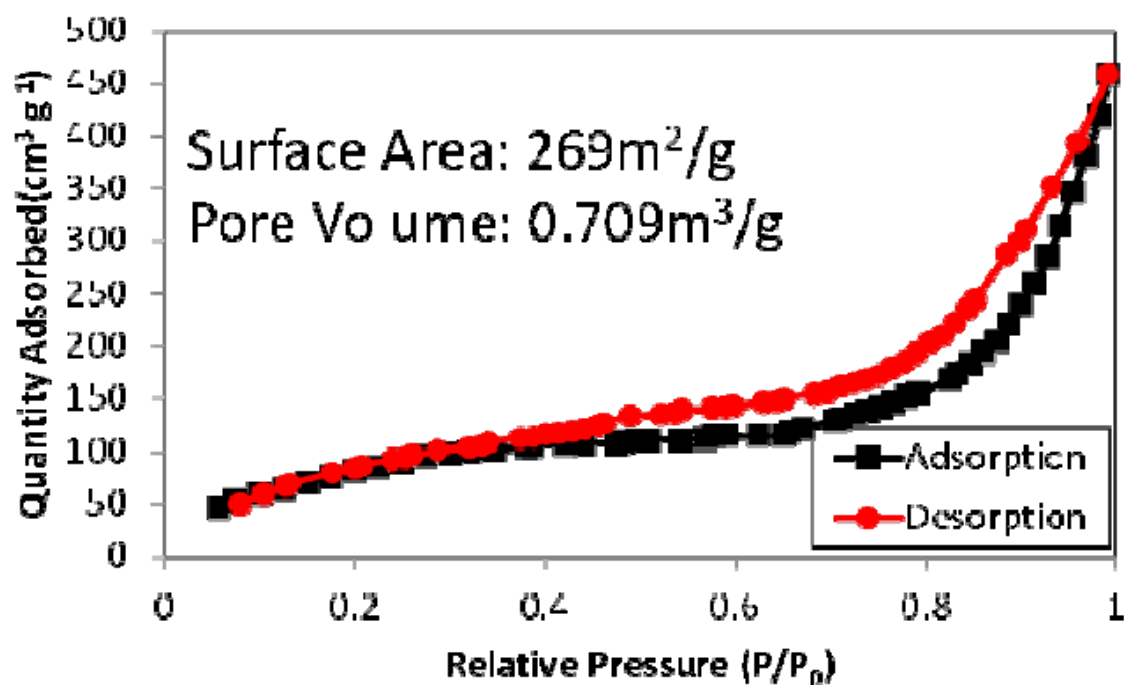


Fig. S1 HBGNs with a graphene underlayer on Polydimethylsiloxane (PDMS) are floating after etching Cu foil using 1M FeCl₃ + 1M HCl (a) and the flexible HBGNs/graphene/PDMS composite (b).



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Fig. S2 adsorption/desorption curve of HBGNs.

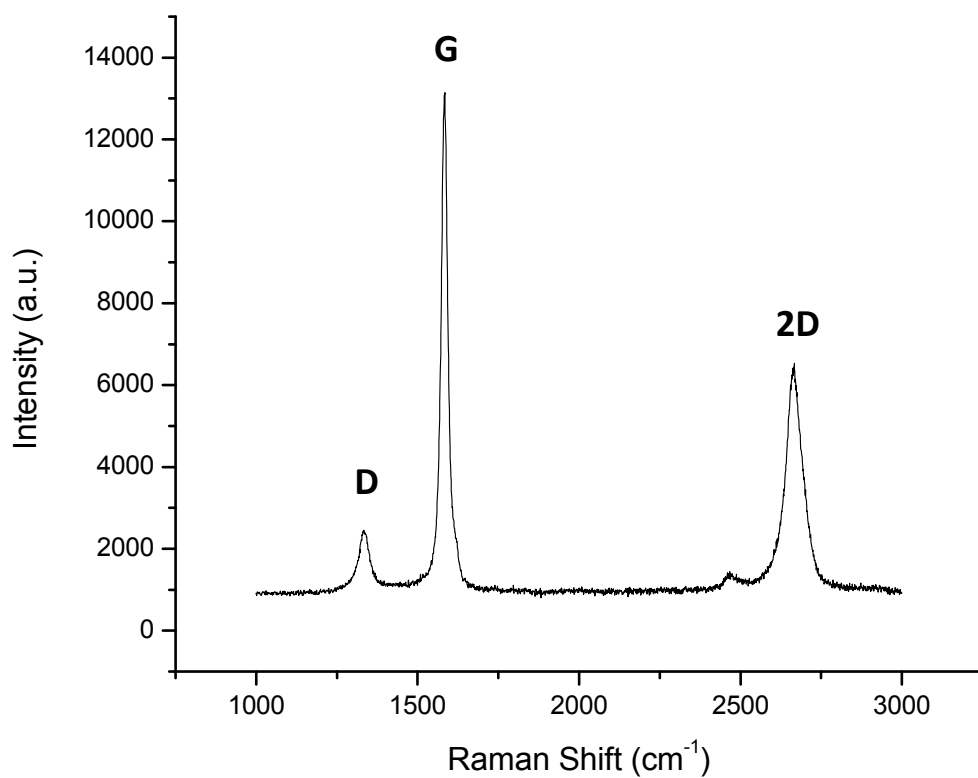


Fig. S3 Raman spectrum of CVD-grown graphene on a copper substrate. The graphene film was transferred to an Si wafer for Raman spectroscopy measurements.