

## Electronic Supplementary Information (ESI)

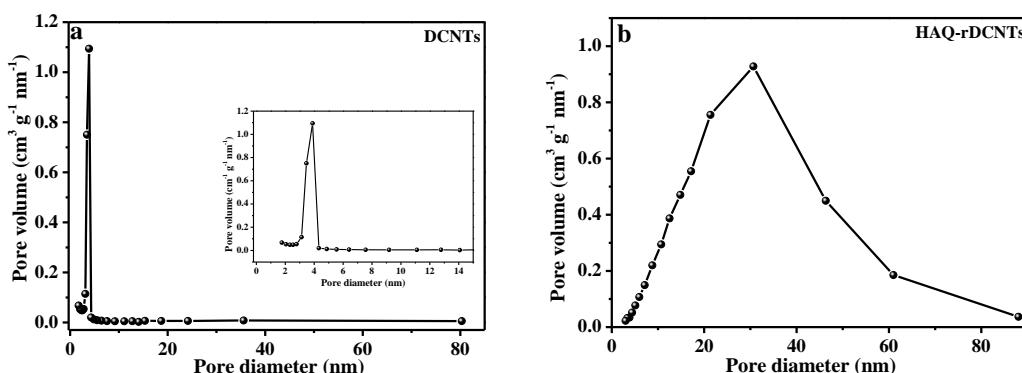
### Dissected carbon nanotubes functionalized by 1-hydroxyanthraquinone for high-performance asymmetric supercapacitors

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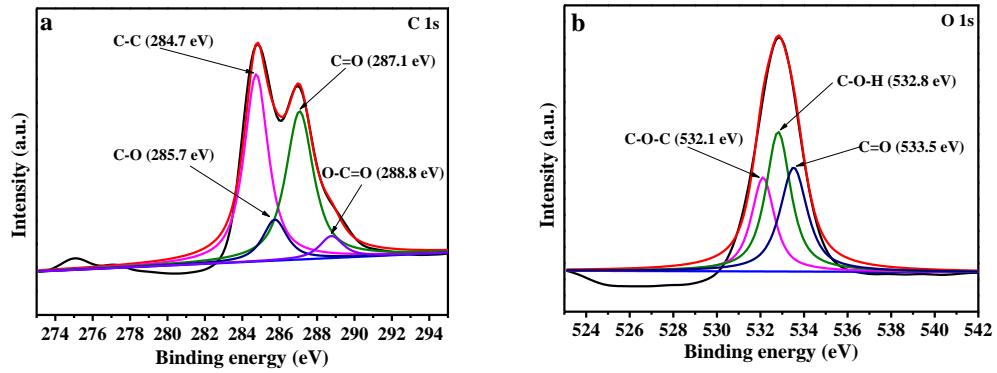
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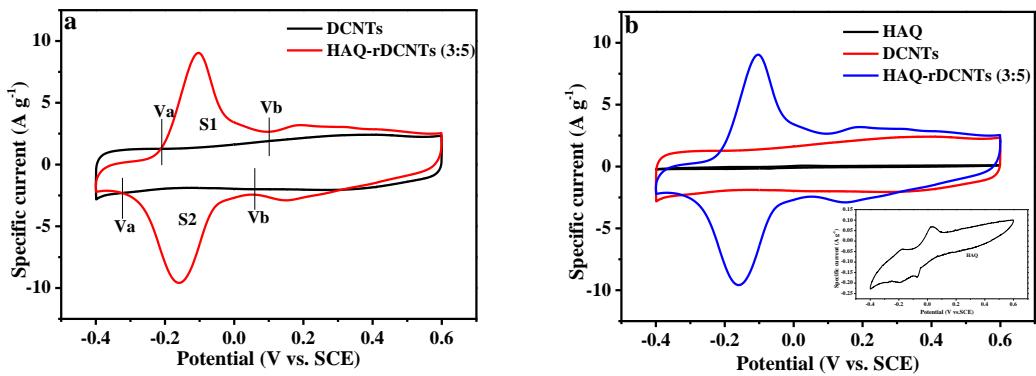


**Fig. S1.** Pore size distribution curve: (a) DCNTs and (b) HAQ-rDCNTs.

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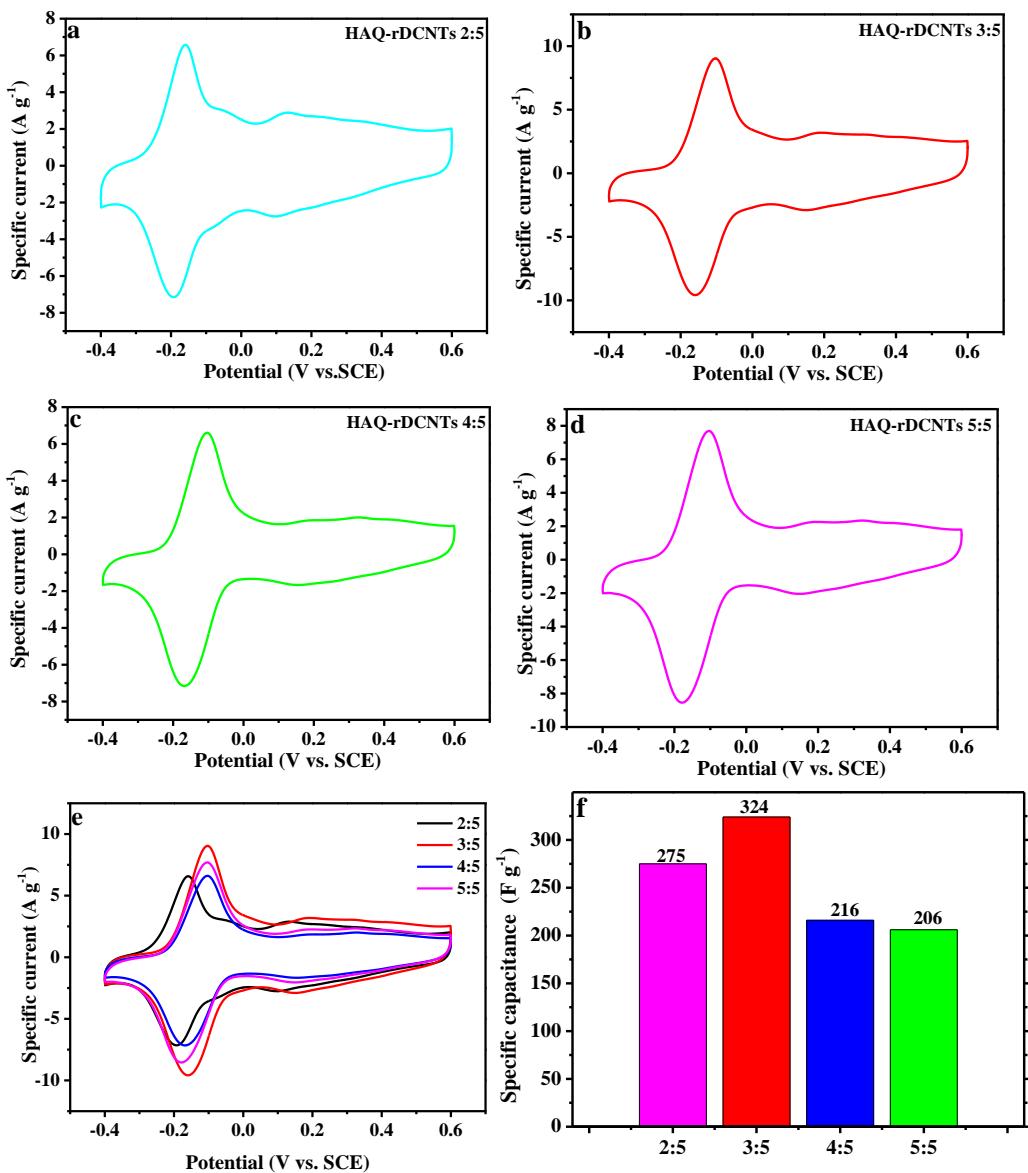


**Fig. S2.** XRS spectra: (a) C 1s and (b) O 1s regions for DCNTs.



**Fig. S3.** (a) CV curves of HAQ-rDCNTs (3:5) and DCNTs at a scan rate of 10 mV s<sup>-1</sup>

in 1 M H<sub>2</sub>SO<sub>4</sub>; (b) CV curves of HAQ, DCNTs and HAQ-rDCNTs (3:5) at a scan rate of 10 mV s<sup>-1</sup>.



**Fig. S4.** (a, b, c, d, e) the CV curves of HAQ-rDCNTs with different mass ratio at a scan rate of  $10 \text{ mV s}^{-1}$ ; (f) the specific capacitance of HAQ-rDCNTs with different mass ratio at the current of  $1 \text{ A g}^{-1}$ .