

Supporting information for

Transport Behaviors of Photo-Carriers across Aligned Carbon Nanotubes and Silicon Interface

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1. The photograph of CNT sheet directly drawn from the spinnable CNT array.

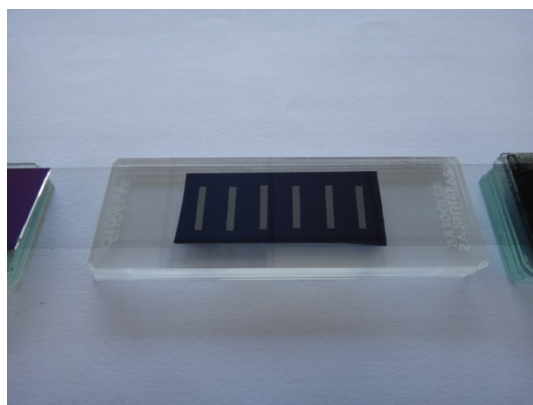


Figure S1: The photograph of CNT sheet drawn from spinnable CNT array and the patterned SiO₂/Si substrate.

2. SEM images of aligned CNTs on SiO₂/Si substrate and the conductivity in the parallel and vertical direction.

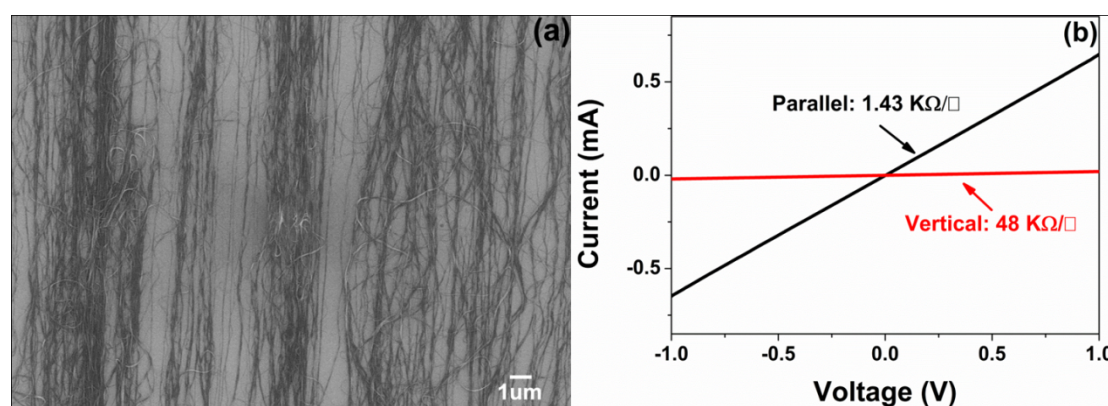


Figure S2: (a) Typical SEM image of aligned CNTs on a SiO₂/Si substrate. (b) The conductivity of the CNT film in the parallel and vertical direction.

3. TG and TEM of the double-walled carbon nanotube.

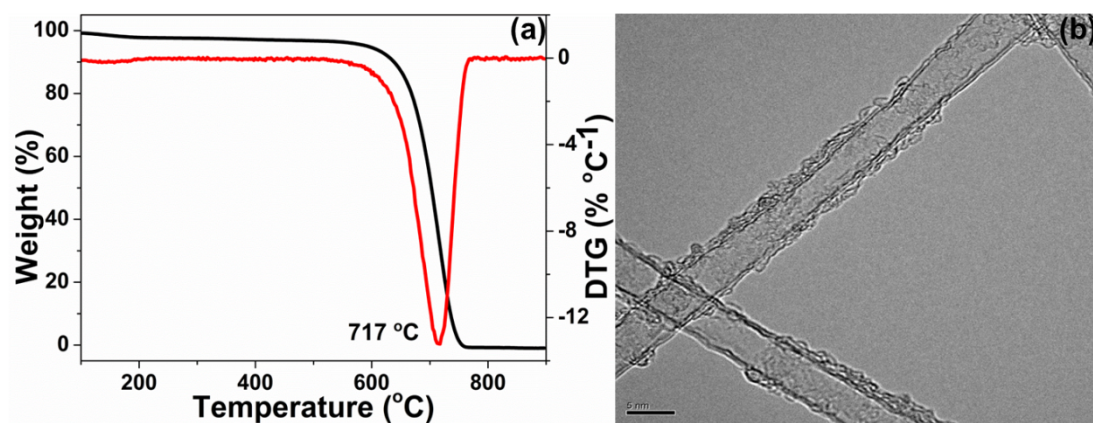


Figure S3: TG (a) analysis of TEM image (b) of the double-walled CNTs in the CNT array.