Supplementary Material (ESI) for Journal of Materials Chemistry

Supplementary Information

A gas-phase hydrophilization of carbon nanotubes by xenon excimer ultraviolet irradiation

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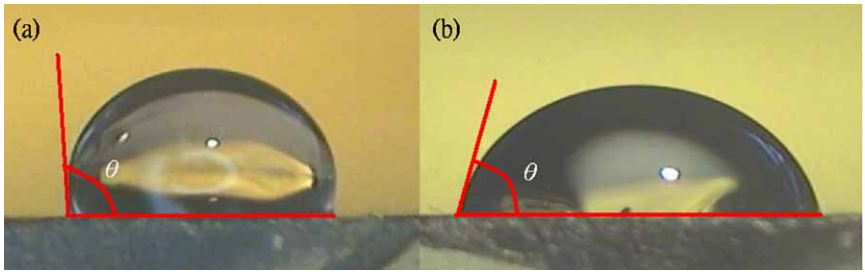

Fig. S_1 DW (a) and EG (b) droplet on annealed S-30 film and corresponding CA is 93.3° and 73°.

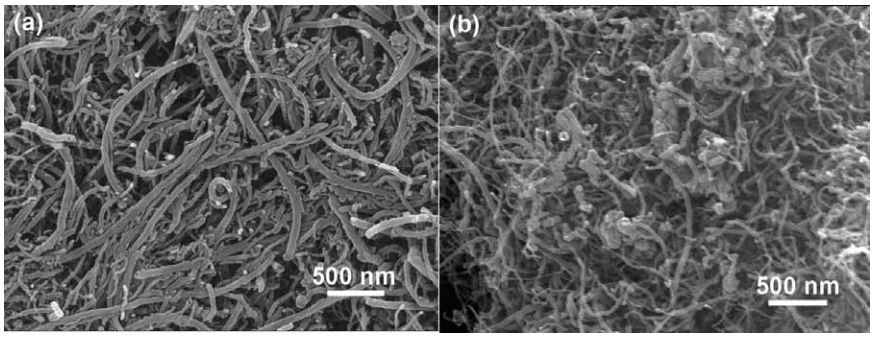

Fig. S_2 SEM images of pristine (left) and EUV-treated MWCNTs (right).

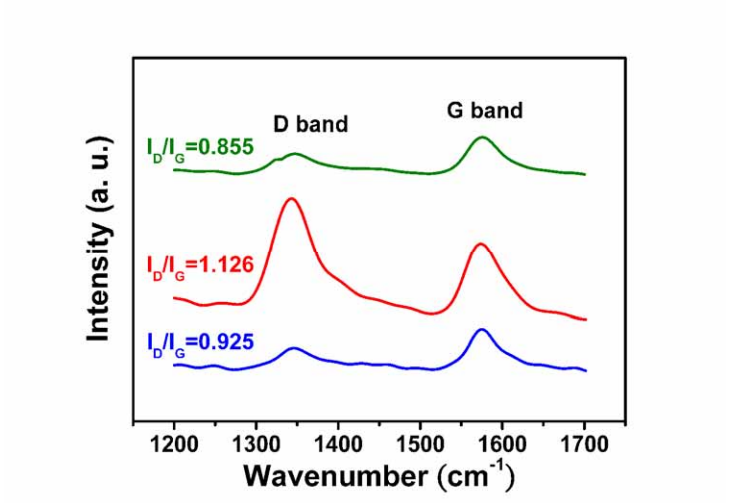

Fig. S_3 Raman spectra of pristine (blue), EUV-treated MWCNTs (red) and annealed MWCNTs (green).

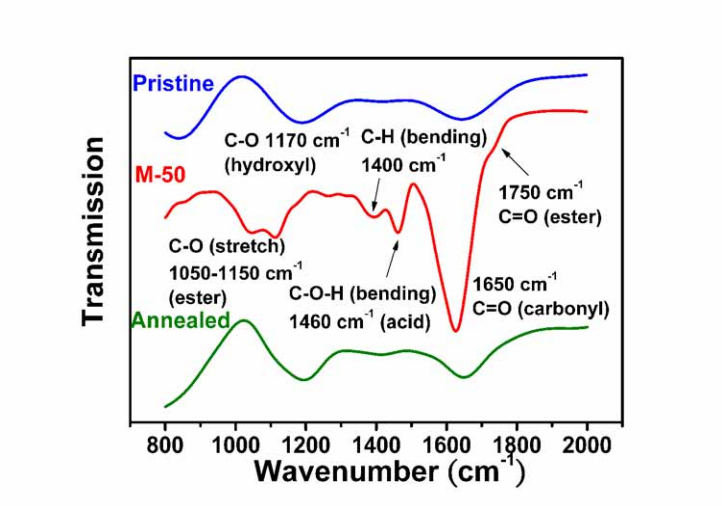

Fig. S_4 FTIR spectra of pristine (blue), EUV-treated MWCNTs (red) and annealed MWCNTs (green).

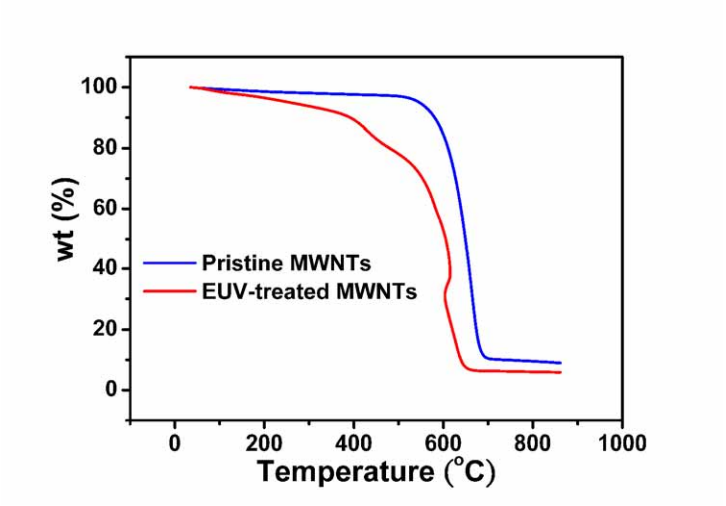

Fig. S_5 TGA profiles of pristine (blue) and EUV-treated MWCNTs (red).