

Figure S1 A) AFM image of as-synthesized GOs (on freshly cleaved mica). B) TEM micrograph of MWNTs used in this study.

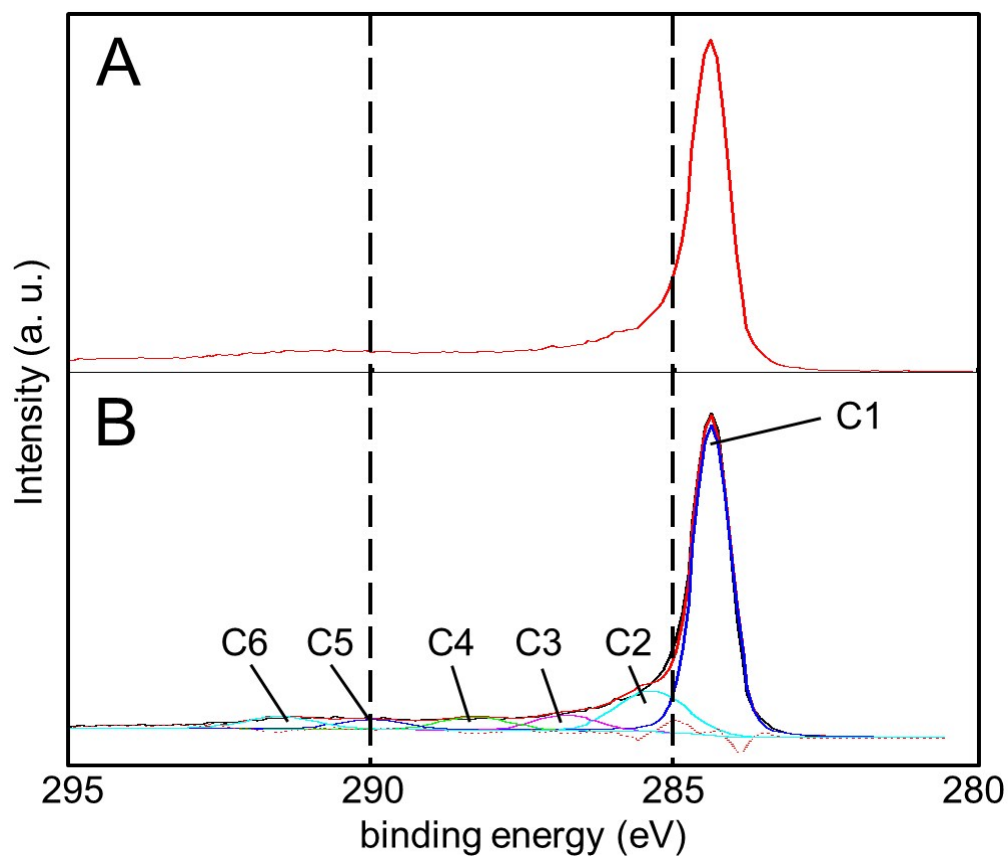


Figure S2 A) XPS C-1s spectrum of carboxyl functionalized MWNTs and B) the deconvolution of C1s peak into six peaks: C1~C6. C1 (284.3 eV) and C2 (285.5 eV) correspond to sp^2 - (C=C) and sp^3 -hybridized carbon (C-C), respectively; C3~C5 (286.7 eV, 288.3 eV and 290.0 eV) correspond to C-O, C=O and -COO- group, respectively. C6 (291.4 eV) is due to the $\pi-\pi^*$ transition.