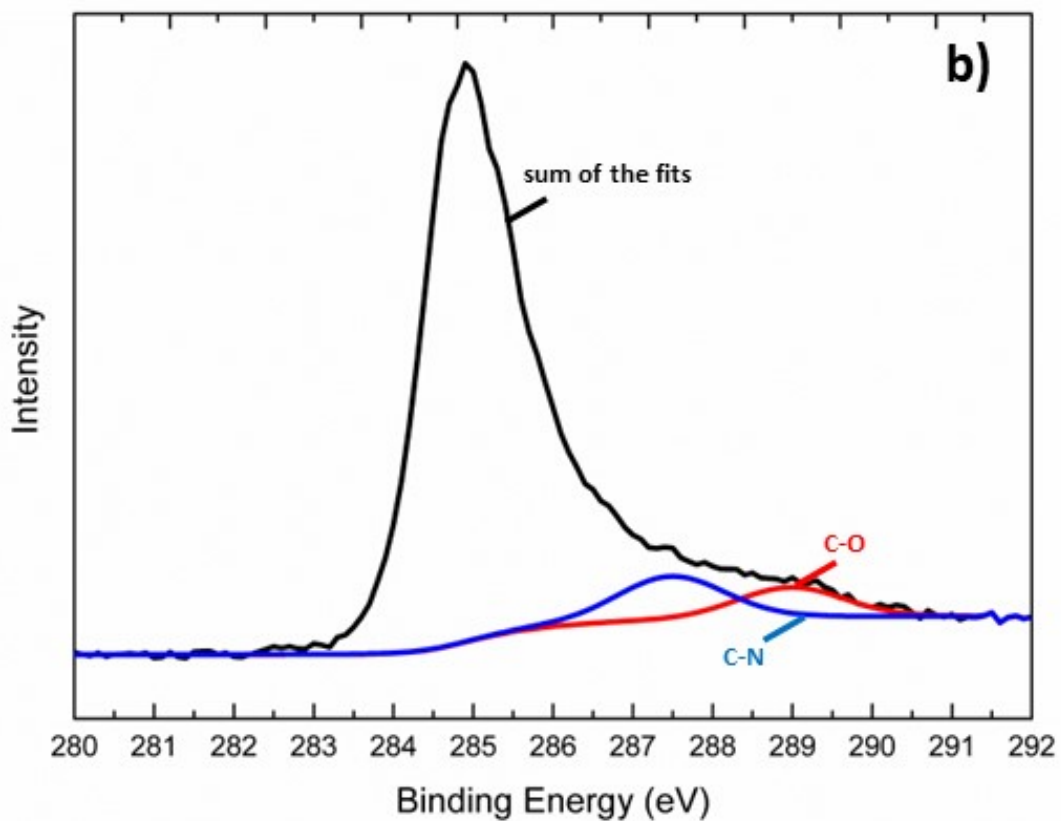
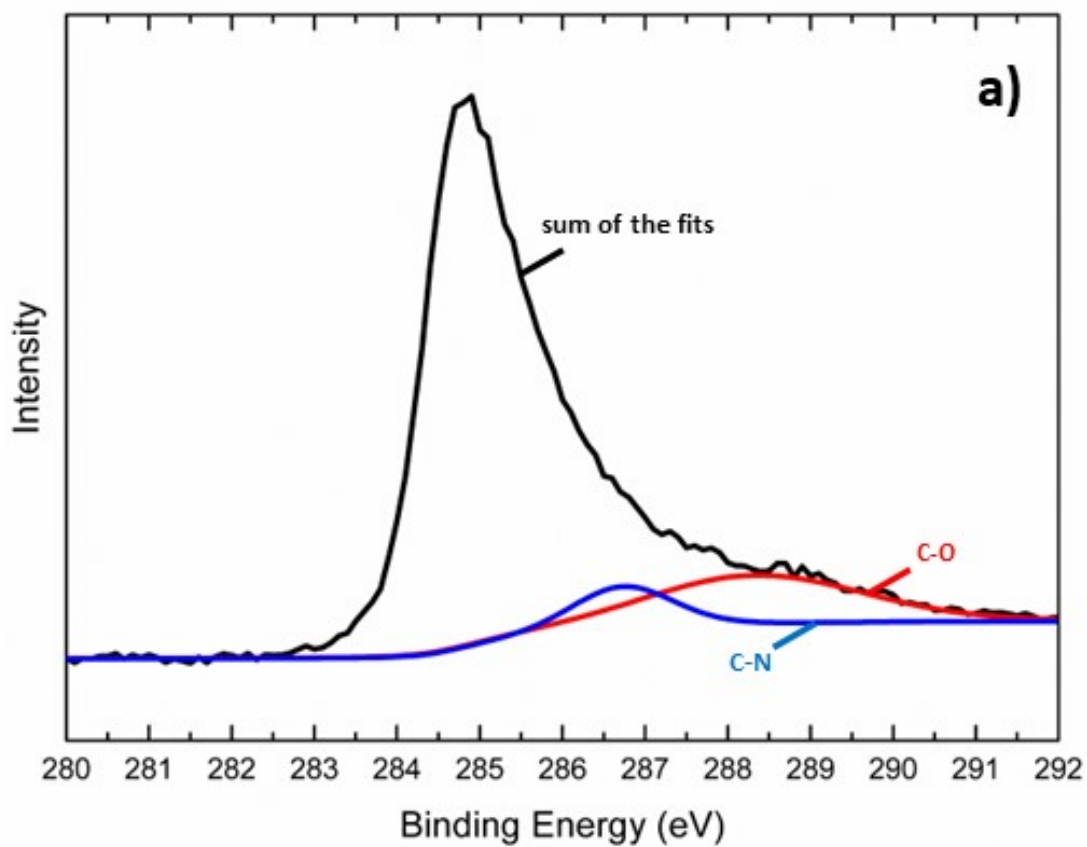


Supporting Information



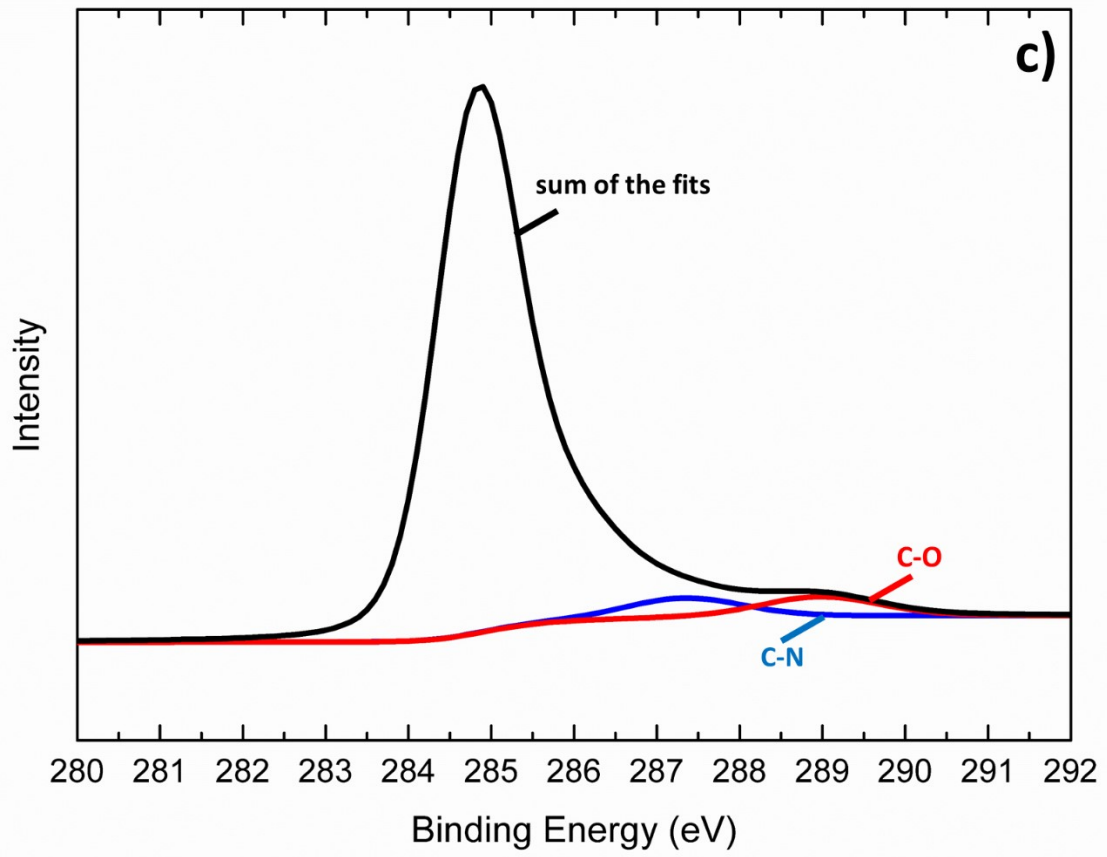


Figure S1. the C 1s XPS spectra of CNT emitters. a) without treatment, b) with DMSO treatment, c) with PEDOT: PSS treatment.

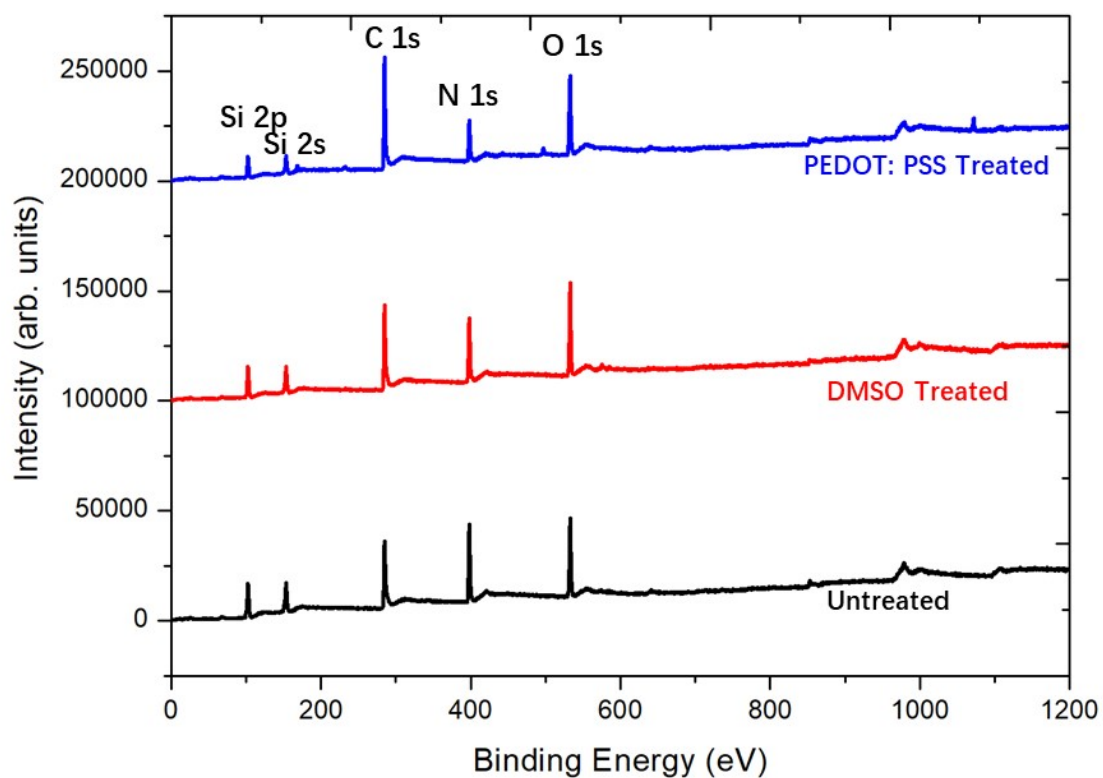


Figure S2. XPS spectra of untreated CNT emitter (black), DMSO treated CNT emitter (red) and PEDOT: PSS treated CNT (blue)

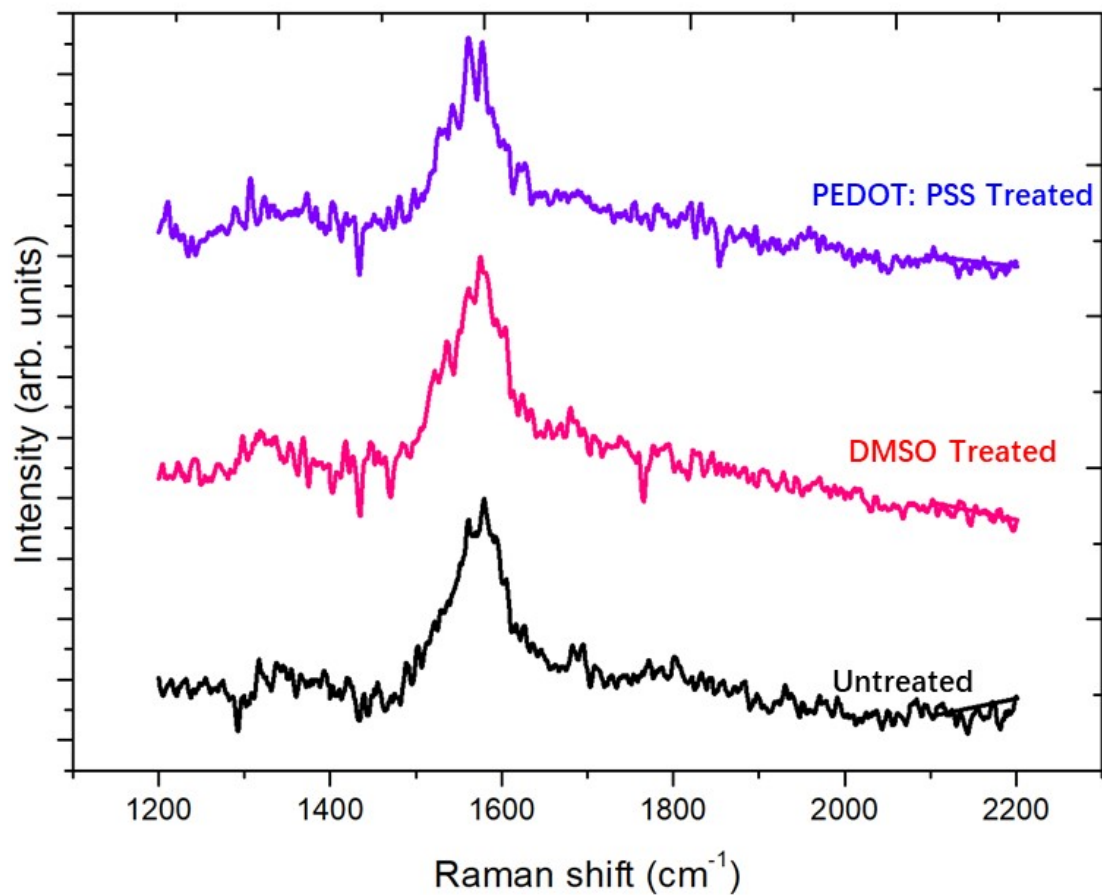


Figure S3. Visible Raman spectra of untreated CNT emitter (black), DMSO treated CNT emitter (red) and PEDOT: PSS treated CNT (blue)