

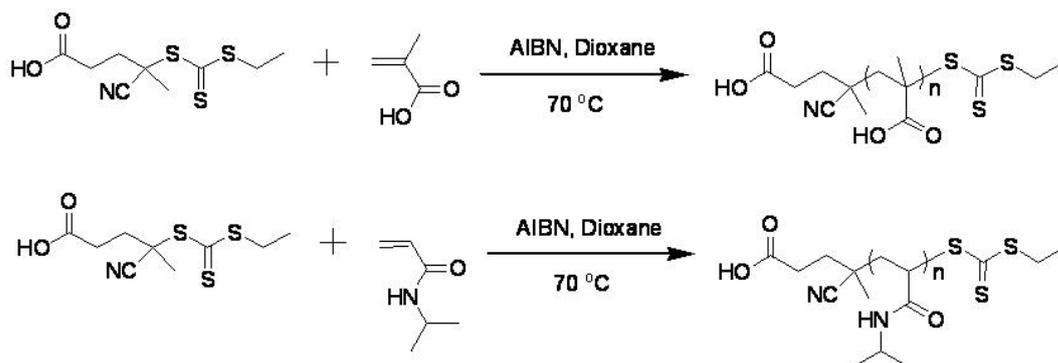
Supporting information

Mussel Inspired Modification of Carbon Nanotubes Using RAFT Derived Stimuli-responsive Polymers

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Scheme S1 RAFT polymerization of PMAA and PNIPAM.

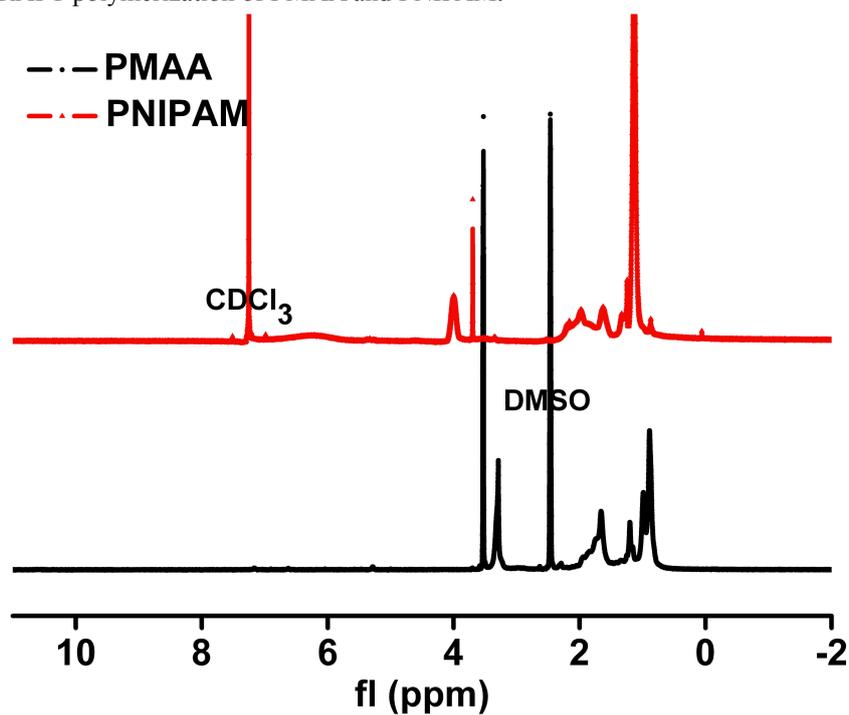


Fig. S1 ^1H NMR spectra of PMAA and PNIPAM which were measured in CDCl_3 and DMSO, respectively.

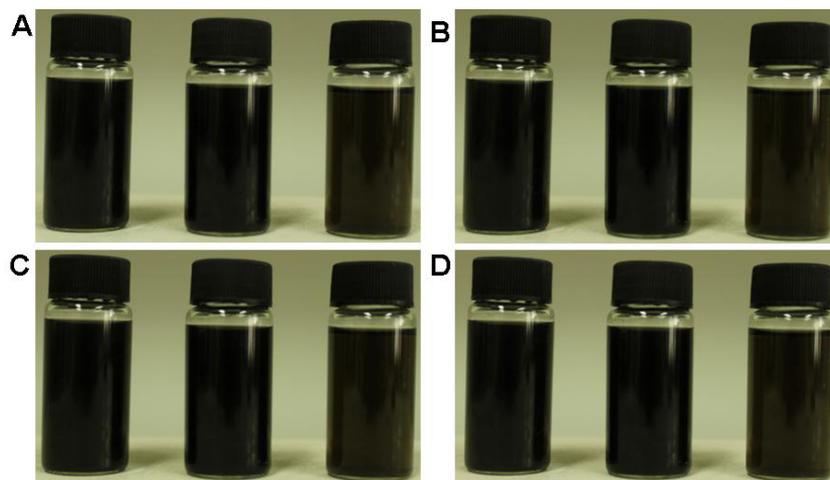


Fig. S2 Water dispersion of CNT-PDA-PNIPAM-1, CNT-PDA-PNIPAM-2, CNT-PDA-PNIPAM-3. (A) just disposition, (B) 24 h, (C) 48 h, (D) 72 h.

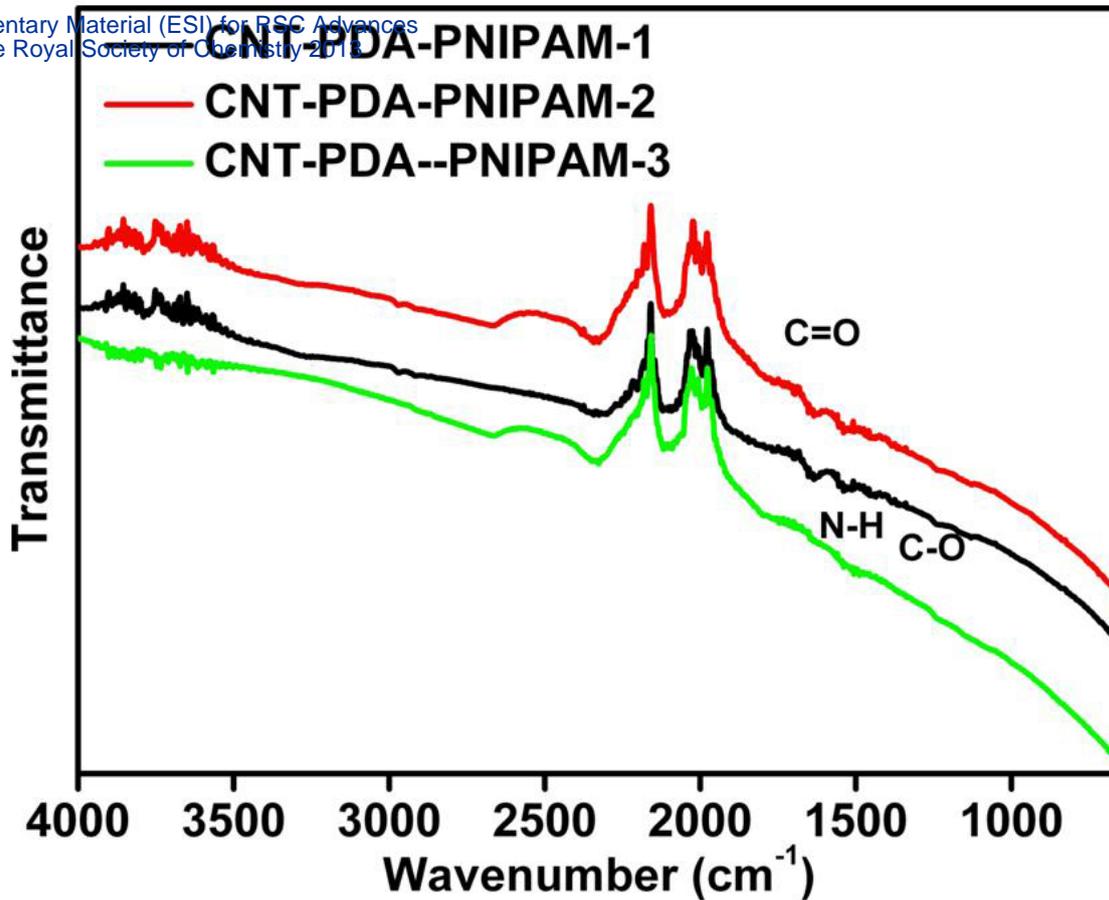


Fig. S3 FT-IR characterization of CNT-PDA-PNIPAM-1, CNT-PDA-PNIPAM-2, CNT-PDA-PNIPAM-3.

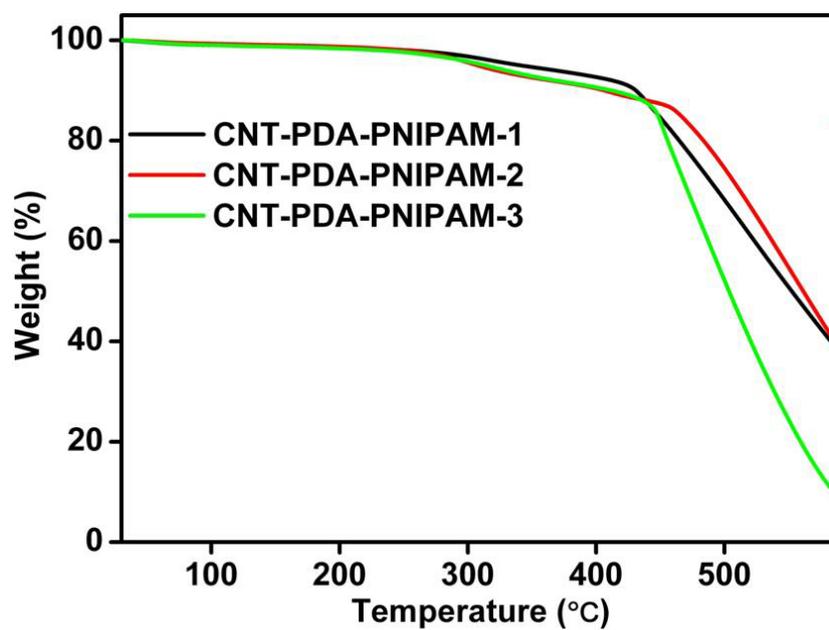


Fig. S4 TGA characterization of CNT-PDA-PNIPAM-1, CNT-PDA-PNIPAM-2, CNT-PDA-PNIPAM-3.