

Toward the Development of a Versatile Functionalized Carbon Nanotubes

Qing Wan^a, Meiyong Liu^a, Jianwen Tian^a, Fengjie Deng^a, Yanfeng Dai^a, Zhen Li^b, Ke Wang^b,
Qingsong Zhang^b, Xiaoyong Zhang^{a,*} and Yen Wei^{b,*}

^a Department of Chemistry, Nanchang University, 999 Xuefu Avenue, Nanchang 330031, China. ^b

Department of Chemistry and the Tsinghua Center for Frontier Polymer Research, Tsinghua
University, Beijing, 100084, P. R. China.

Results

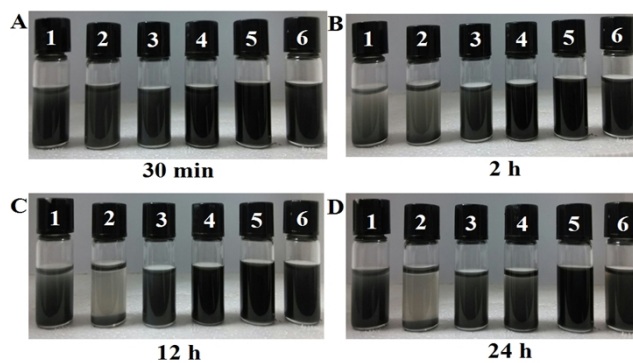


Fig. S1 The pictures of CNT-PDA-PSMA dispersed in different organic solution at room temperature for different time. (1) acetone, (2) DMSO, (3) dichloromethane, (4) toluene, (5) DMF, (6) THF.

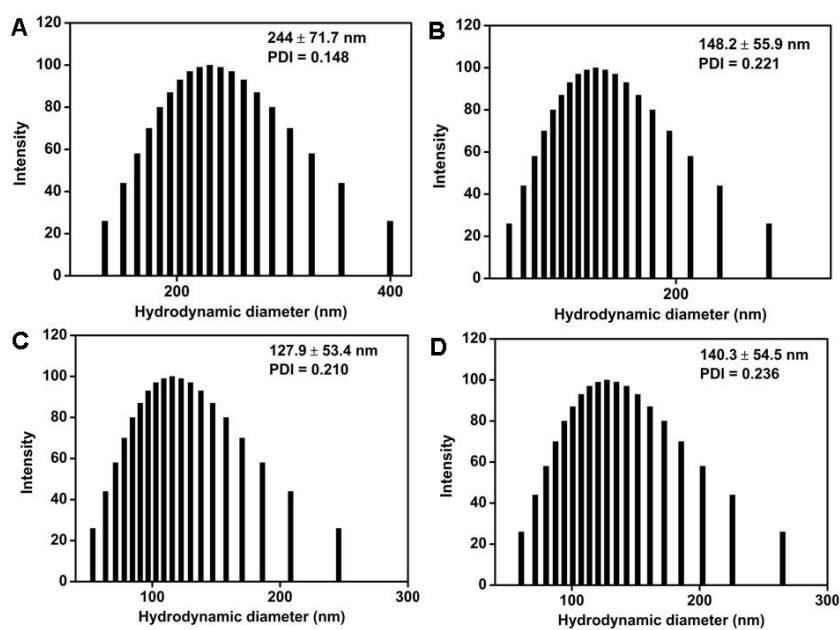


Fig. S2 Hydrodynamic size distribution of CNT-PDA-PSPSH in water as a function of time. (A) 5 min, (B) 2 h, (C) 12 h, (D) 24 h.