Figure S1. Functionalization of MWCNT (a) acid reflux reaction, (b) pH measurement during acid-base titration, (c) vacuum filtering of acid treated MWCNT and (d) FMWCNT recovered after acid treatment.
Figure S2. Raman spectroscopy of MWCNT and FMWCNT: (a) experiment setup, (b) Raman probe and the sample holder, and (c) MWCNT/FMWCNT in sample holder.
Figure S3. TEM micrographs of FMWCNT showing (a) defects on the sidewalls and (b) open ends.
Figure S4. Dispersion analysis of MWCNT and FMWCNTs for up to 5 days.