

Fig. S1. XRD patterns of the CNPs (a) and graphite (41-1487) (b).

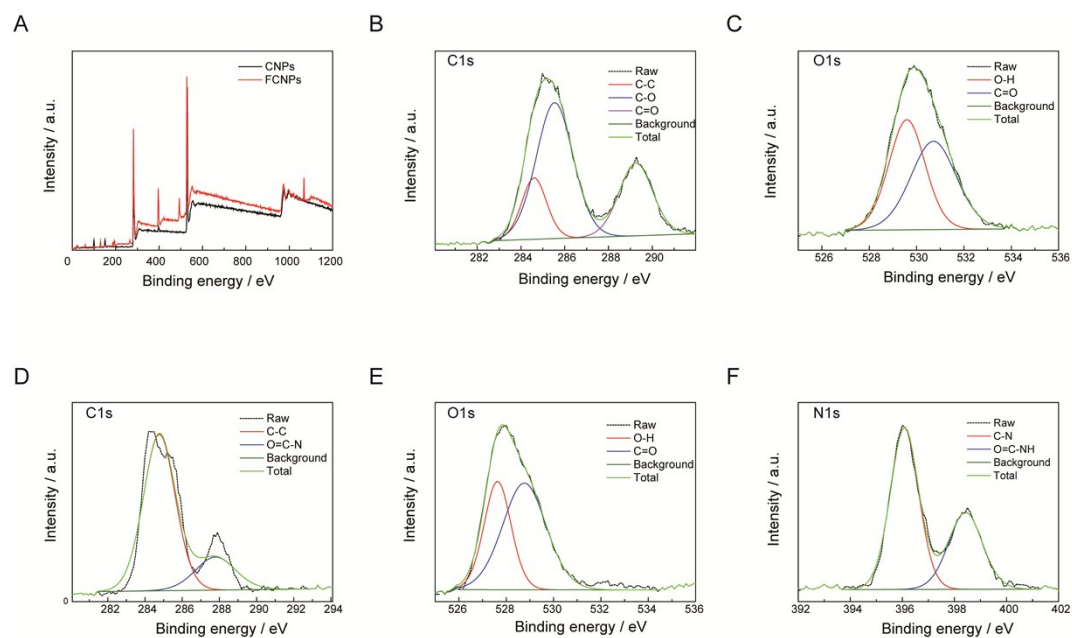


Fig. S2. XPS spectra analysis of CNPs and FCNPs. (A) XPS spectra of CNPs and FCNPs. (B ,C) CNPs high resolution peaks for C1s and O1s. (D, E and F) FCNPs high resolution peaks for C1s, O1s and N1s.

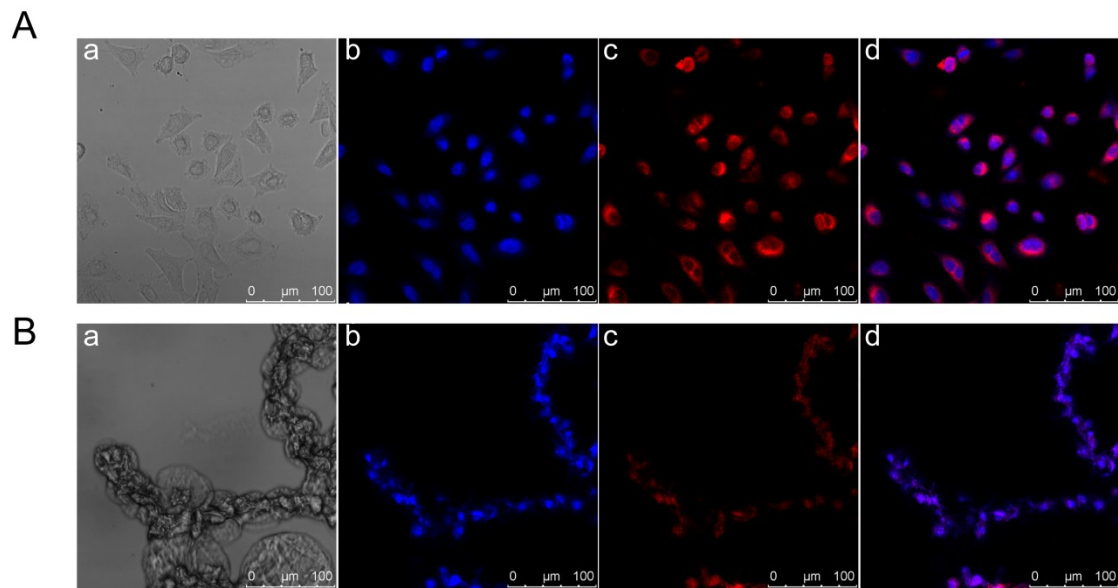


Fig. S3. Colocalization of FCNPs in (A) A549 cells and (B) BY-2 cells after incubation FCNPs for 2h.(a)bright field (b) stained with DAPI (c) stained with FCNPs, (d) merged images of (b) and (c).