

Supporting data

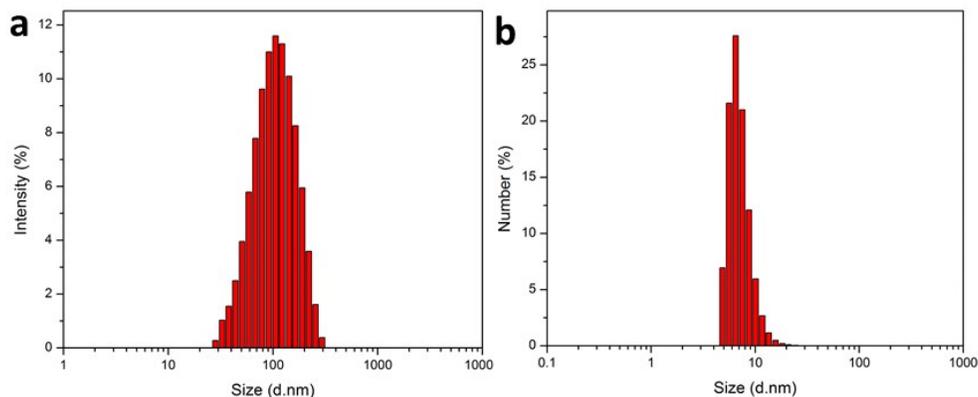


Fig. S1 Size distribution of (a) DSSCe6 NPs and Fe₃O₄ NPs measured by DLS.

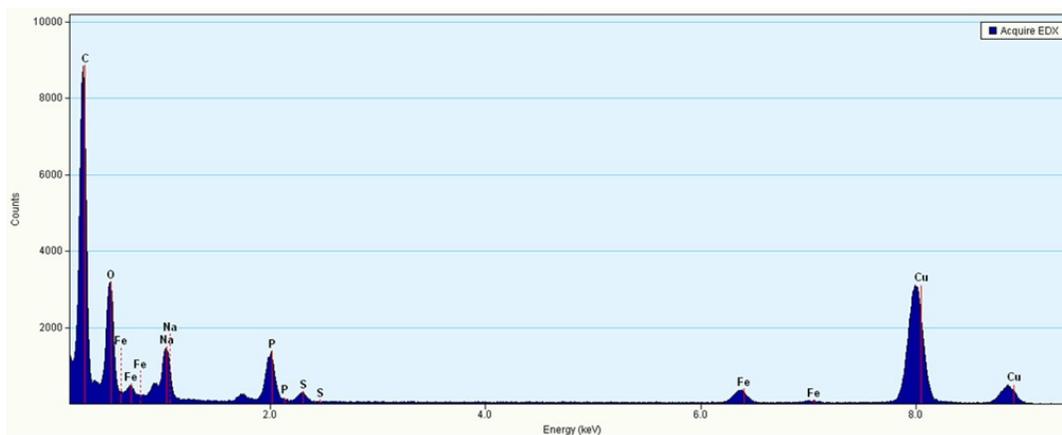


Fig. S2. TEM-EDX line-profile analysis of DSSCe6@Fe₃O₄ NPs.

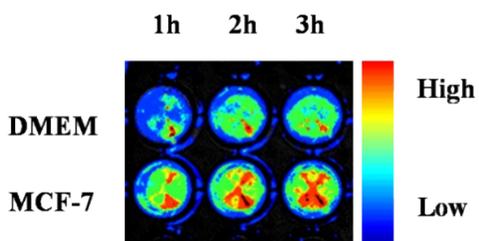


Fig. S3. NIR fluorescence image of DSSCe6@Fe₃O₄ NPs incubated with DMEM and MCF-7 cells at 1h, 2h and 3h.

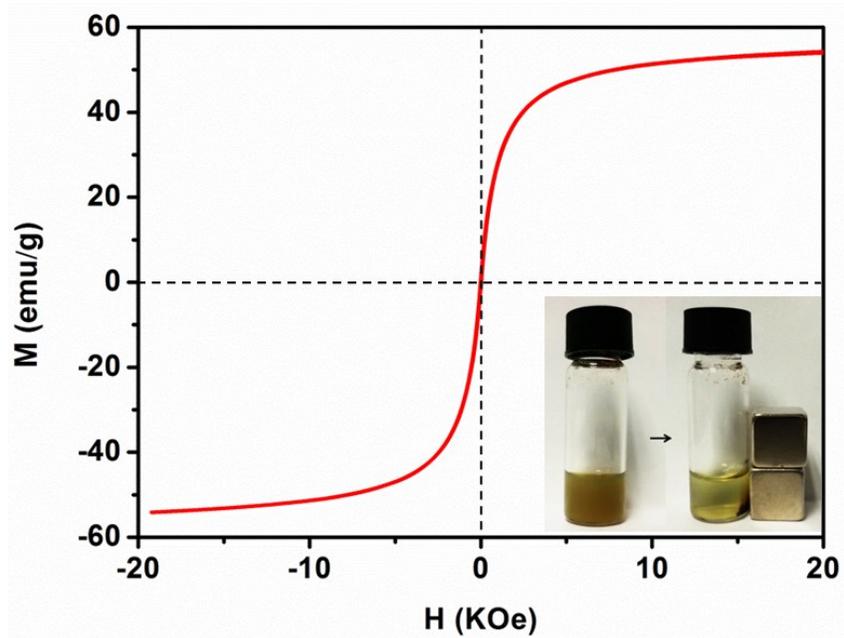


Fig. S4. Magnetization loop of DSSCe6@Fe₃O₄ NPs normalized to per gram of powder (H: Applied magnetic field; M: Magnetization). Inset: photograph of the DSSCe6@Fe₃O₄ NPs dispersed in water with a magnet after 24 h.

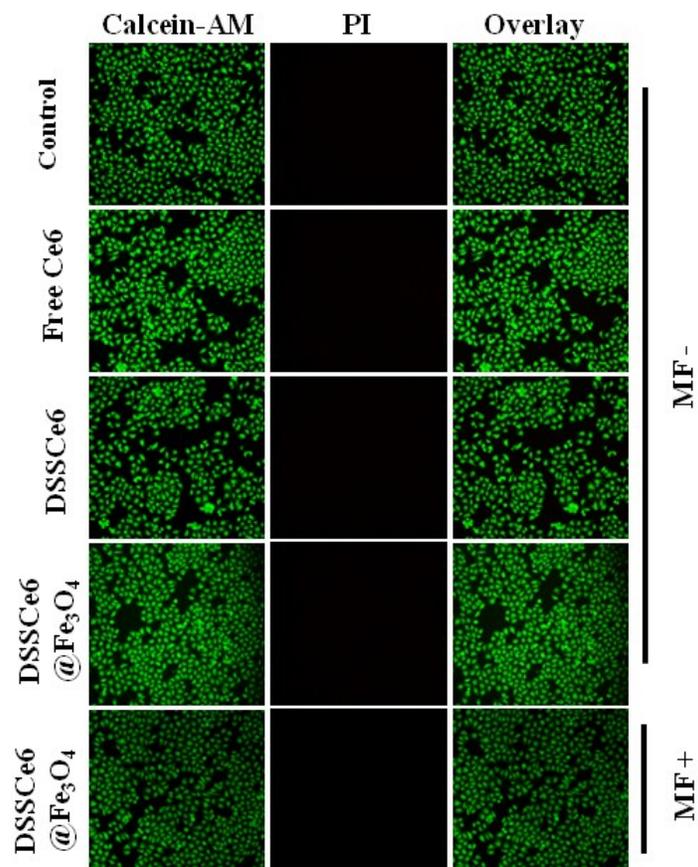


Fig. S5. Phototoxicity of free Ce6, DSSCe6, DSSCe6@Fe₃O₄NPs(MF-) and DSSCe6@Fe₃O₄ NPs under an external magnetic field(MF+) detected by fluorescence microscopy using fluorescent probes (double-staining with PI and Calcein-AM) without an NIR laser (660 nm). Dead cells: red fluorescence of PI; live cells: green fluorescence of Calcein-AM.