Electronic Supplementary Material (ESI) for Catalysis Science & Technology.

Electronic Supplementary Information

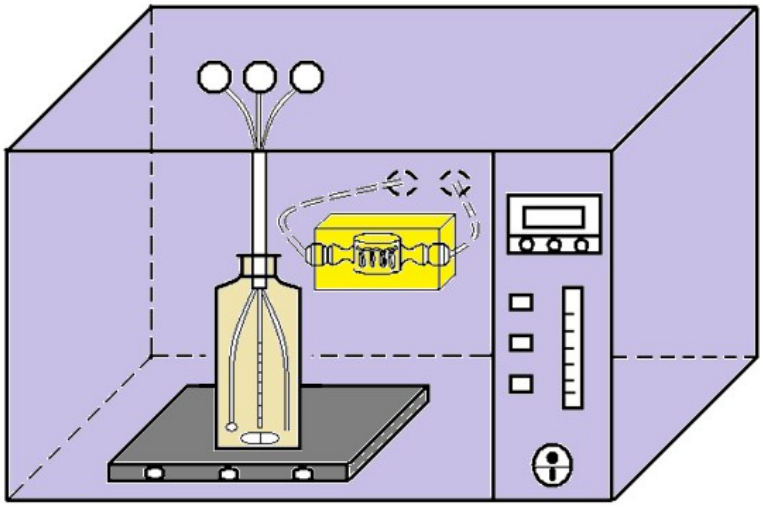


Fig. S1 The photocatalytic reactor.

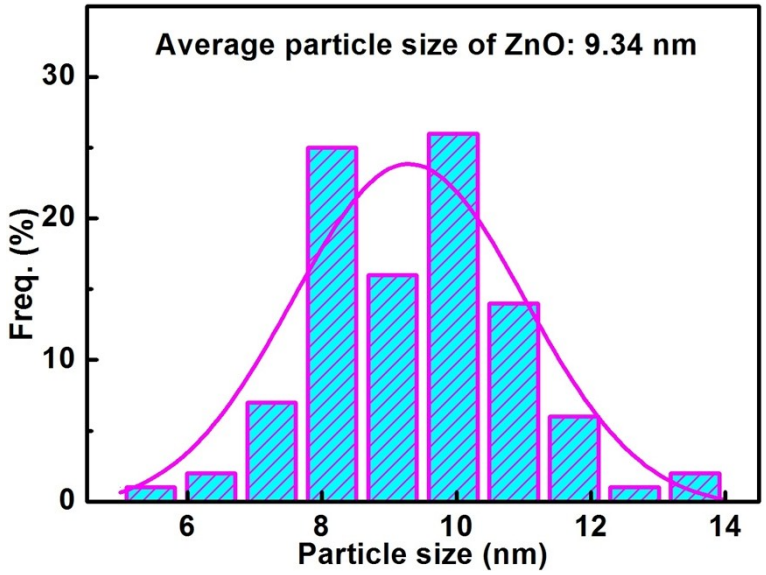


Fig. S2 The particle size distribution of ZnO in functional ZnO/C/Fe_3O_4.

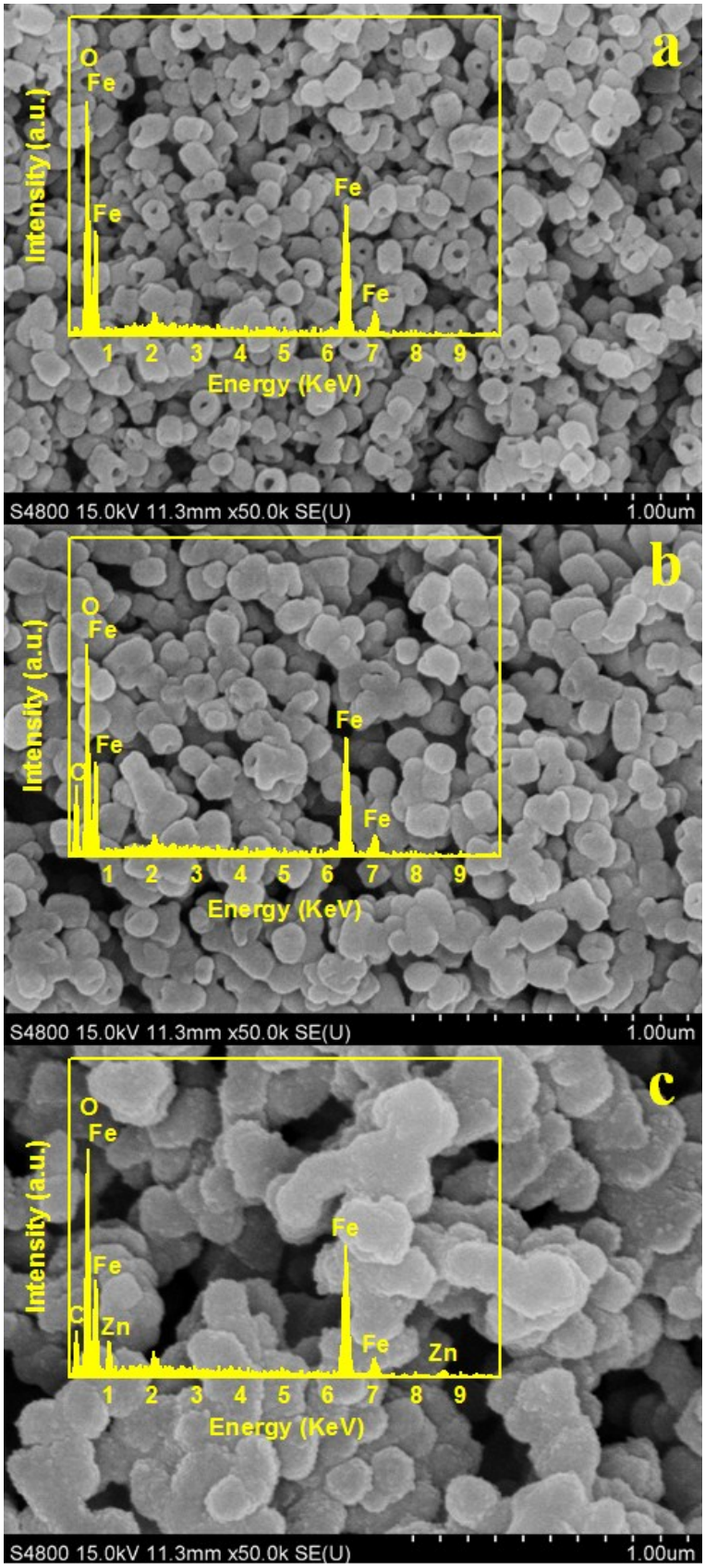


Fig. S3 SEM images and EDS spectra (inset) of Fe_3O_4 (a), C/Fe_3O_4 (b) and functional $ZnO/C/Fe_3O_4$ (c).

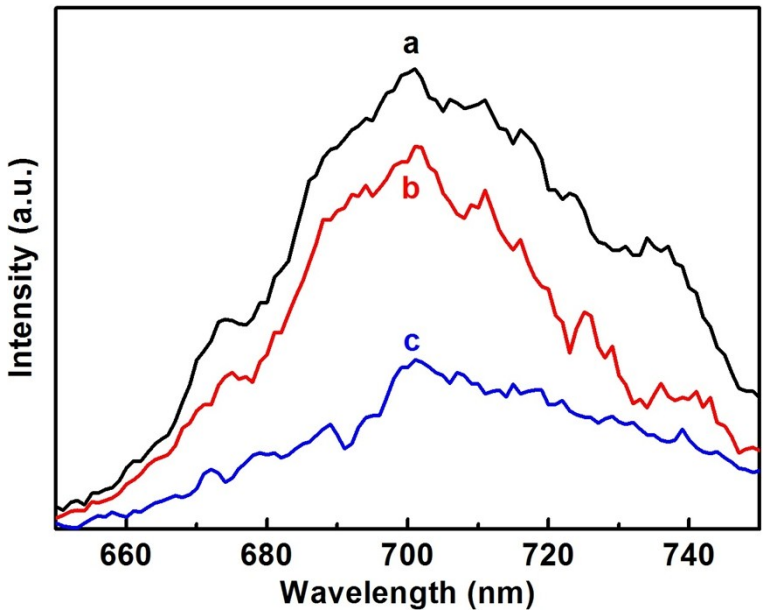


Fig. S4 PL spectra of ZnO (a), ZnO/Fe_3O_4 (b) and functional ZnO/C/Fe_3O_4 (c).

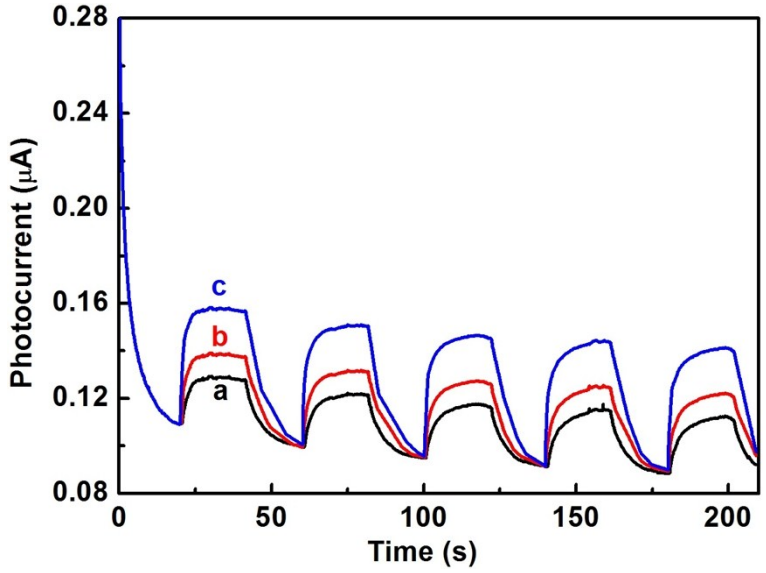
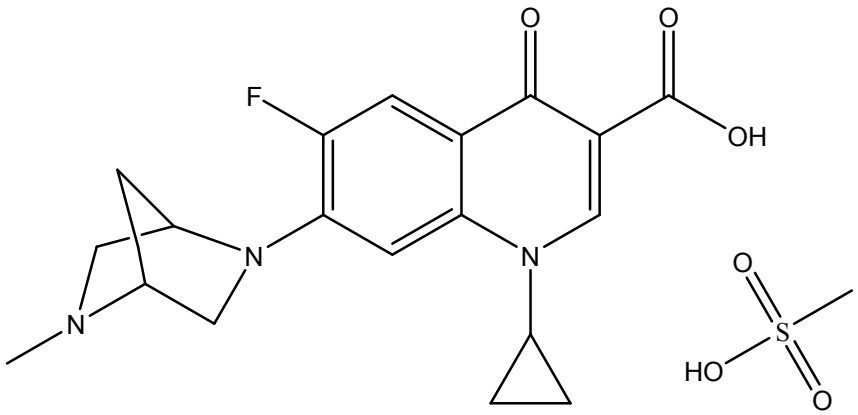
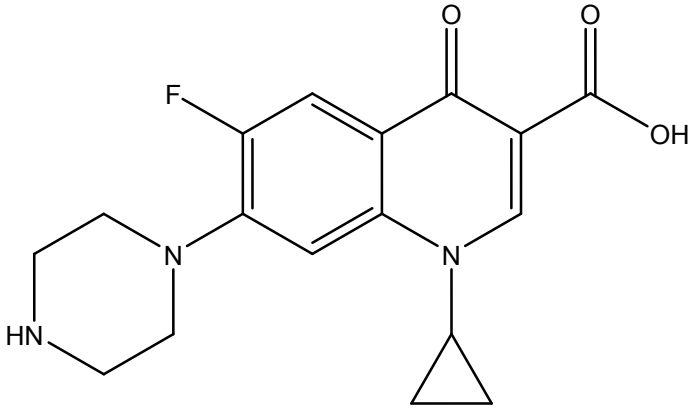


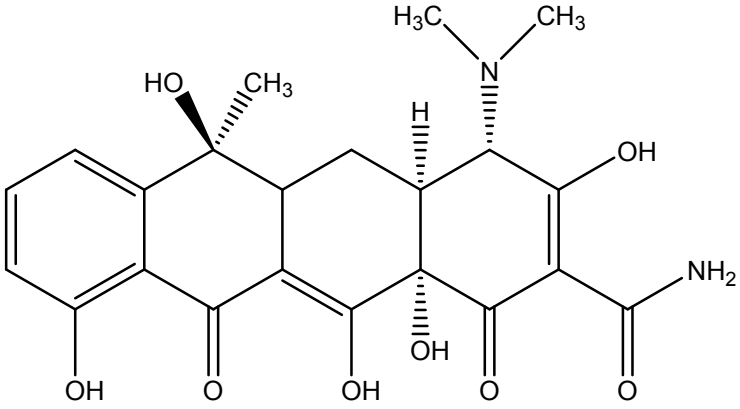
Fig. S5 Transient photocurrent response curves of ZnO (a), ZnO/Fe_3O_4 (b) and functional ZnO/C/Fe_3O_4 (c) under visible light irradiation.



Danofloxacin mesylate (DM)



Ciprofloxacin (CIP)



Tetracycline (TC)

Fig. S6 The molecular structures of danofloxacin mesylate, ciprofloxacin and tetracycline.

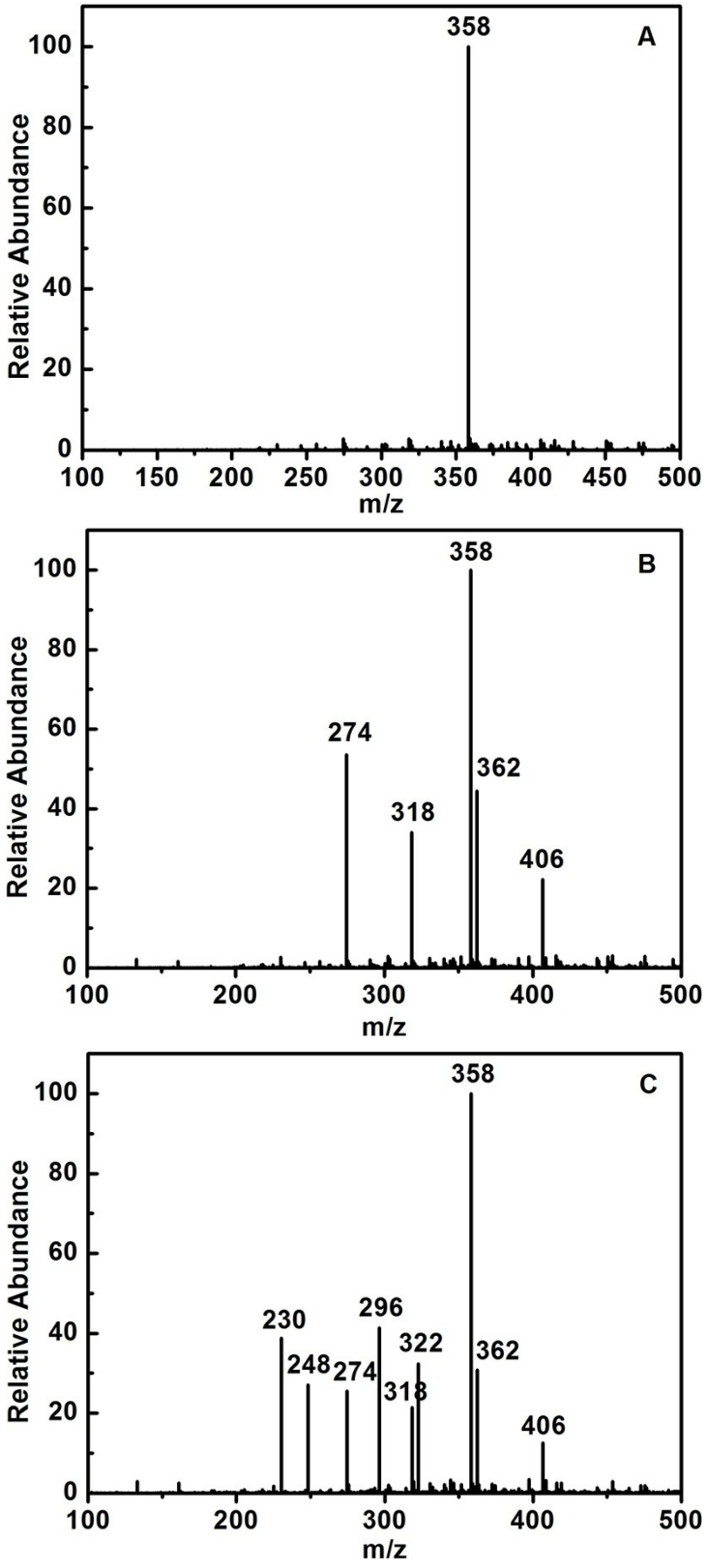


Fig. S7 m/z of degraded danofloxacin mesylate with functional ZnO/C/Fe_3O_4 (A. the initial danofloxacin mesylate aqueous solution, B. degradation of danofloxacin mesylate in 60 min, C. degradation of danofloxacin mesylate in 120 min)