Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Supporting Information for

Litchi-like Fe_3O_4@Fe-MOF Capped with HAp Gatekeepers for pH-Triggered Drug Release and Anticancer Effect

Yongmei Yang[a,b], Feng Xia[a], Ying Yang[a], Baoyou Gong[a], Anjian Xie[a], Yuhua Shen[a,*], Manzhou Zhu[a,*]

[a]School of Chemistry and Chemical Engineering, Collaborative innovation center of modern bio-manufacture, Anhui University, Hefei 230601, P. R. China.

[b] School of Chemistry and Chemical Engineering, Huangshan University, Huangshan 245041,P. R. China.

*E-mail: s_yuhua@163.com (Yuhua Shen), zmz@ahu.edu.cn (Manzhou Zhu)

Yongmei Yang: 0000-0002-5922-4725, Feng Xia: 0000-0002-6507-5308, Ying Yang: 0000-0002-2724-1387, Baoyou Gong: 0000-0003-1997-1985, Anjian Xie: 0000-0002-2864-4823, Yuhua Shen: 0000-0002-0527-4735, Manzhou Zhu: 0000-0002-3068-7160.

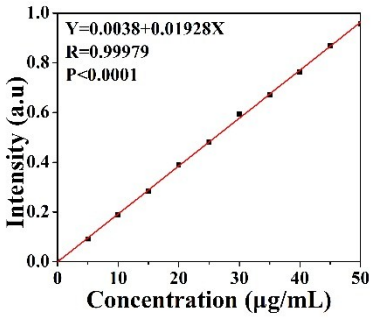

Fig. S1 The linear standard curve of DOX in HCl solution with different DOX concentrations calculated by UV-Vis spectra at a wavelength of 510 nm.

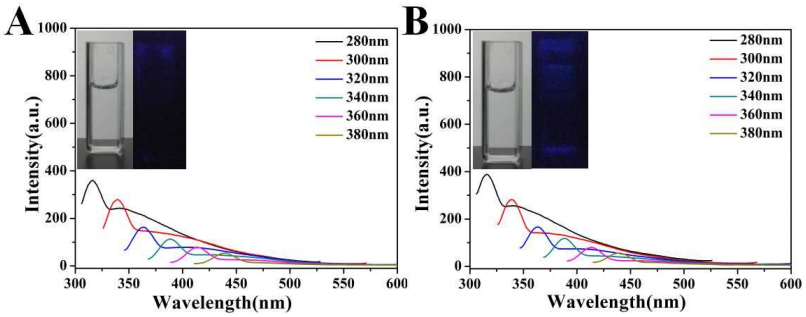

Fig. S2 Fluorescence emission spectra of (A) Fe_3O_4@Fe-MOF and (B) Fe_3O_4@Fe-MOF@HAp dispersed in DI water under difference excitation wavelength; inset in Fig. S2 (A) and (B) present the photographs of dispersion Fe_3O_4@Fe-MOF and Fe_3O_4@Fe-MOF@HAp under room light (left) and UV light (right, λ_{ex}=366 nm), respectively.