

## Supporting Information

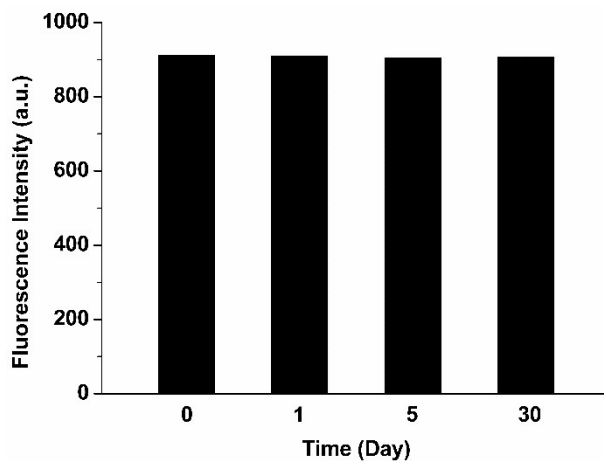


Fig. S1 The fluorescence intensity of Pdots at 668 nm after maintained at 4 °C for different time.

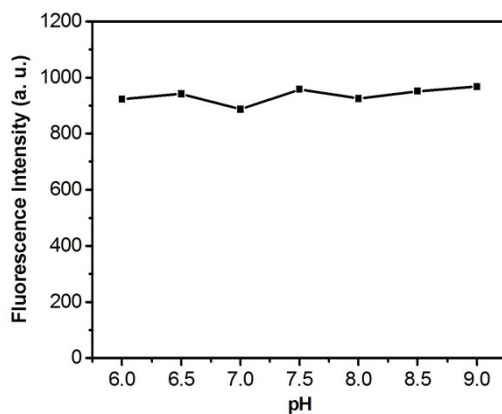


Fig. S2 The effect of pH value (6.0, 6.5, 7.0, 7.5, 8.0, 8.5 and 9.0) on the fluorescence intensity of Pdots.

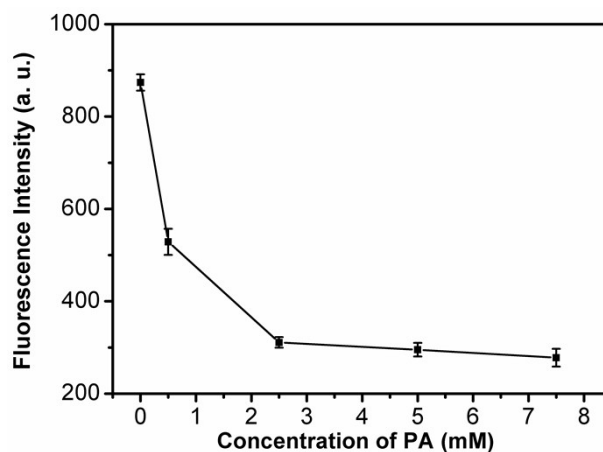


Fig. S3 The influence of different concentrations of PA (0, 0.5, 2.5, 5 and 7.5 mM) on the fluorescence intensity of Pdots solutions at pH 9.0.

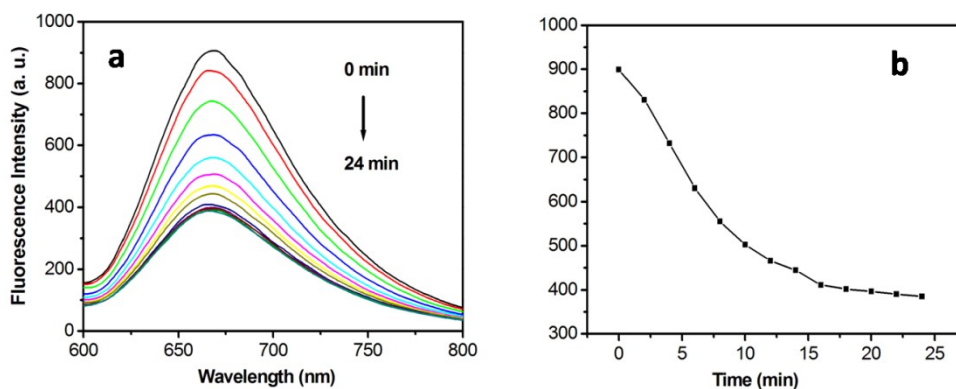


Fig. S4 (a) The effect of reaction time (2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 and 24 min) on the fluorescence spectra of Pdots/PA after the adding of  $\text{OH}^-$ ; (b) The relationship between fluorescence intensity at 668 nm and the reaction time.

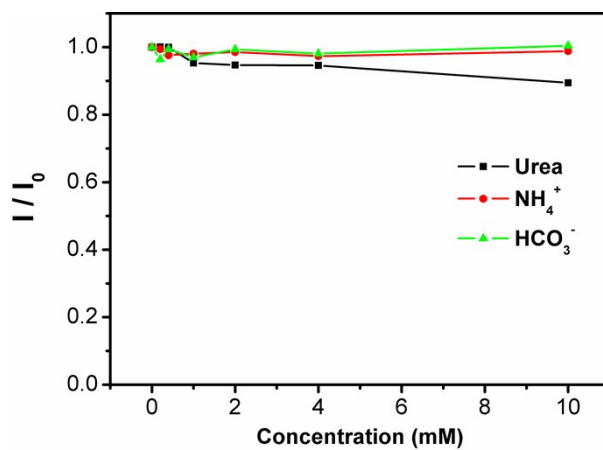


Fig. S5 The effect of urea,  $\text{NH}_4^+$  and  $\text{HCO}_3^-$  concentration on the fluorescence intensity of Pdots.