

Supplementary Information

Photoinduced Electron Transfer of Poly(o-phenylenediamine)-Rhodamine B Copolymer Dots: Application in Ultrasensitive Detection of Nitrite in Vivo

Fang Liao,^{a,1*} Xun Song,^{a,1} Siwei Yang,^{a,b*} Chenyao Hu,^c Lin He,^a

Shuai Yan,^a and Guqiao Ding,^{b*}

^a Chemical Synthesis and Pollution Control Key Laboratory of Sichuan Province, College of Chemistry and Chemical Engineering, China West Normal University, Nanchong, P. R. China

^b State Key Laboratory of Functional Materials for Informatics, Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Science, Shanghai, P. R. China

^c Key Laboratory of Soft Chemistry and Functional Materials, Nanjing University of Science and Technology, Ministry of Education, Nanjing, P. R. China

* Corresponding authors:

Fang Liao, liaozhang2003@163.com

Siwei Yang, yangsiwei@mail.sim.ac.cn

Guqiao Ding, gqding@mail.sim.ac.cn

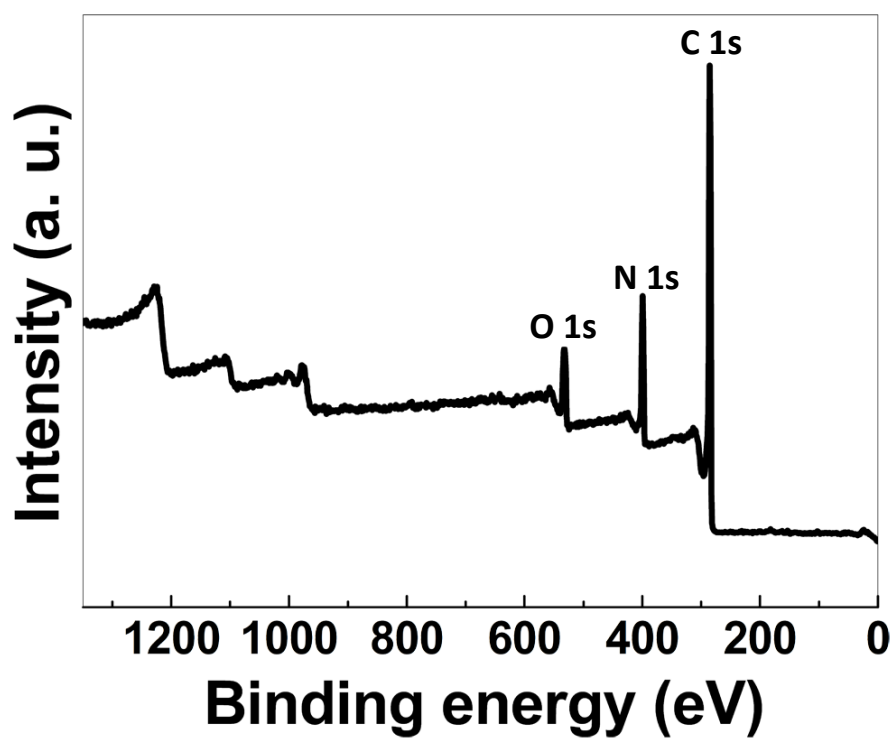


Fig. S1 XPS survey spectrum for Pp-RhB dots

Table S1. Elemental composition (at. %) of Pp-RhB dots

C	N	O
78.38	15.35	6.27

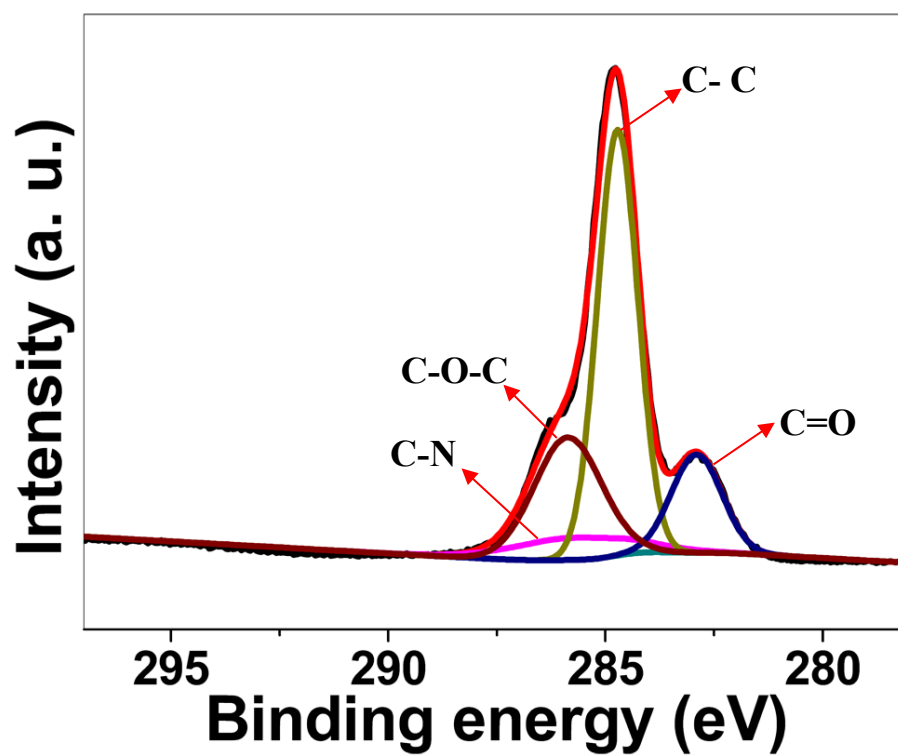


Fig. S2 C_{1s} spectra of Pp-RhB dots

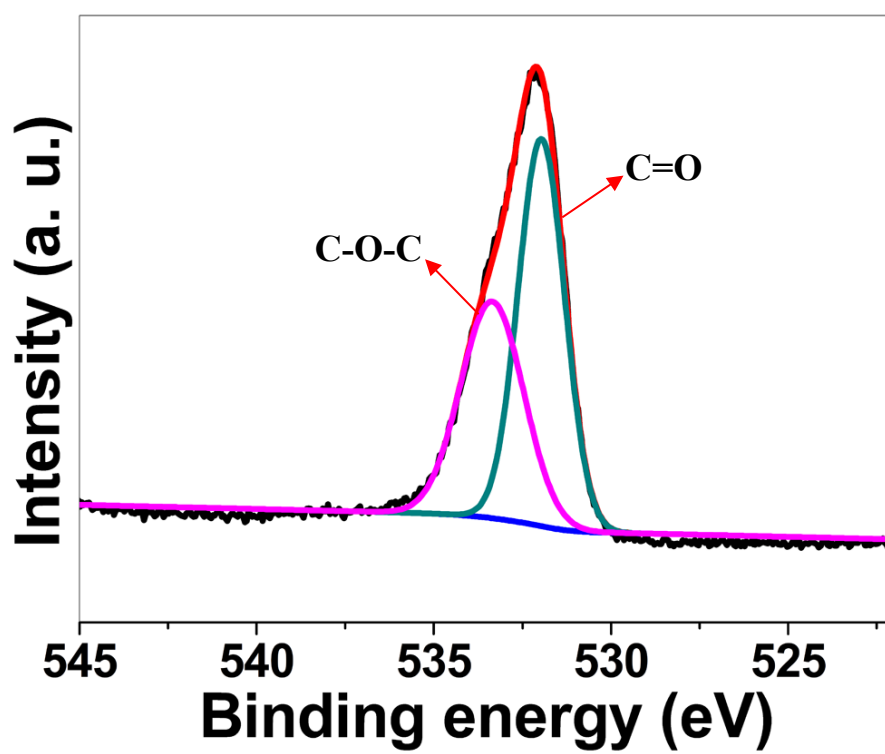


Fig. S3 O_{1s} spectra of Pp-RhB dots

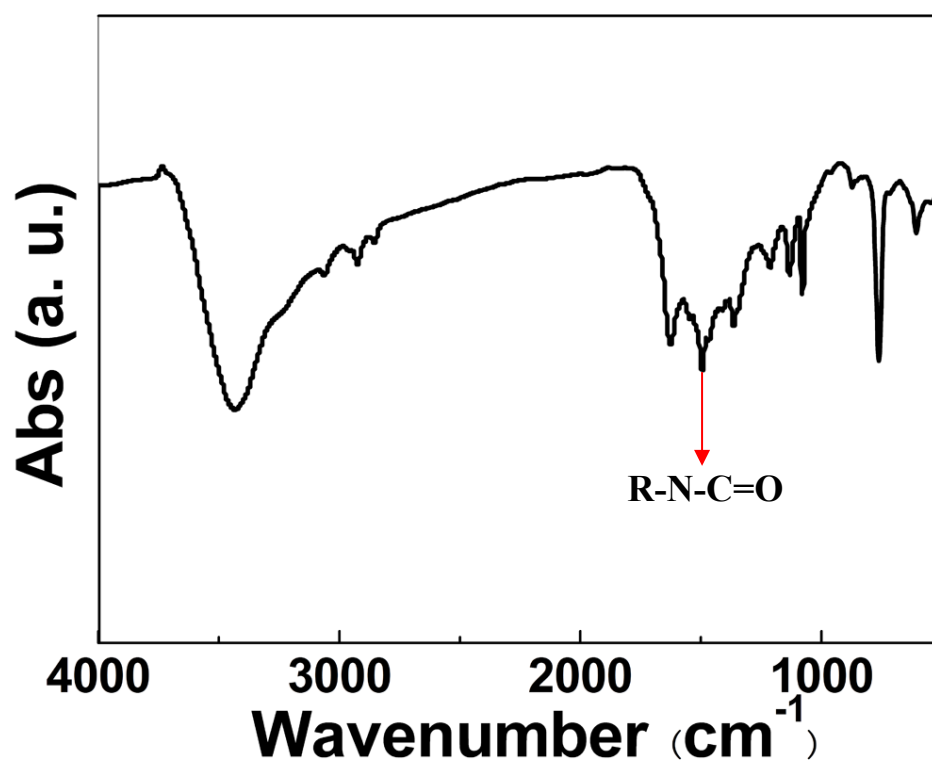


Fig. S4 FTIR spectrum of Pp-RhB dots

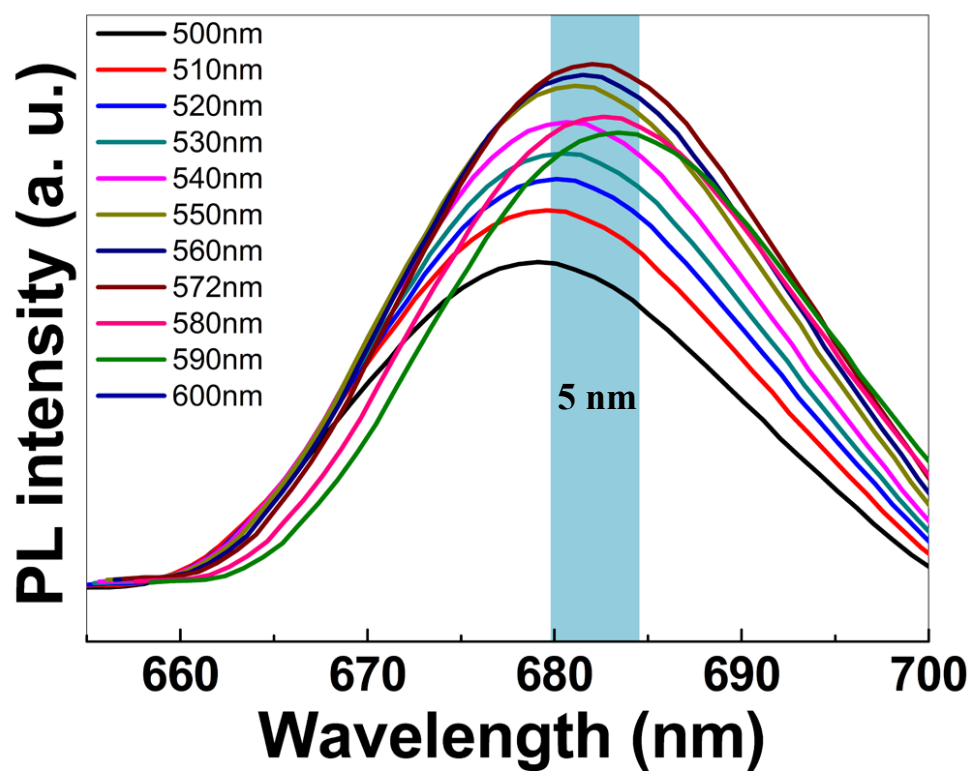


Fig. S5 PL emission spectra of Pp-RhB dots with different excitation wavelength

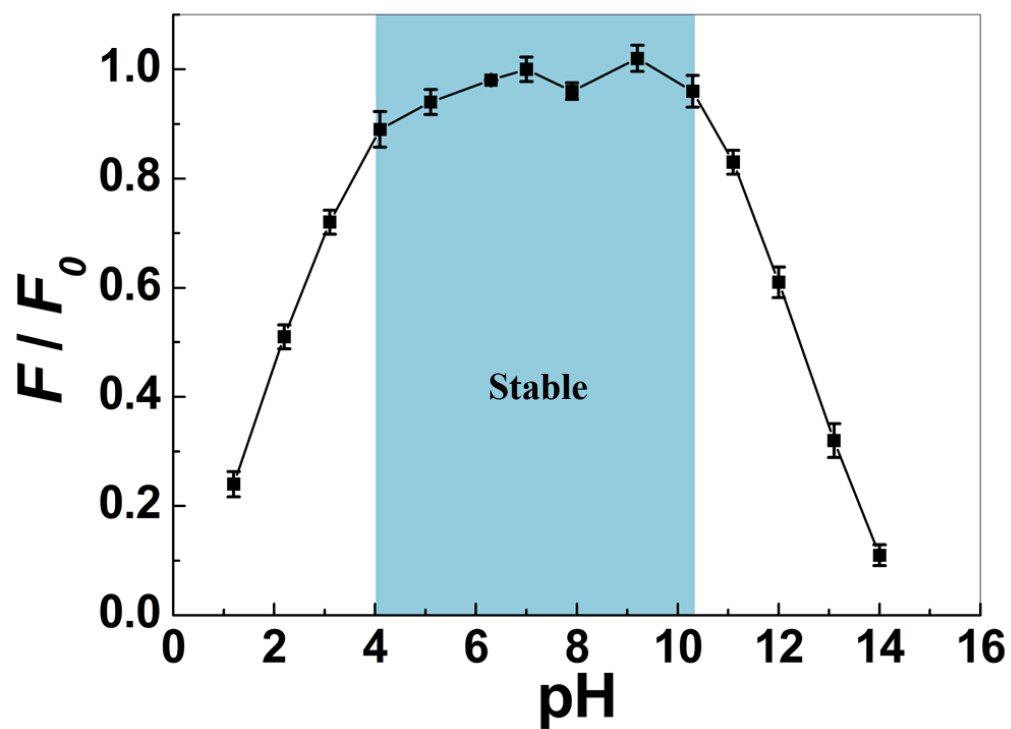


Fig. S6 PL intensity of Pp-RhB dots under different pH. The F and F_0 are PL intensity of Pp-RhB dots when pH=7 and other value, respectively. The concentration of Pp-RhB dots is 0.2 mg/L.