

Cite this: *RSC Adv.*, 2018, 8, 18418

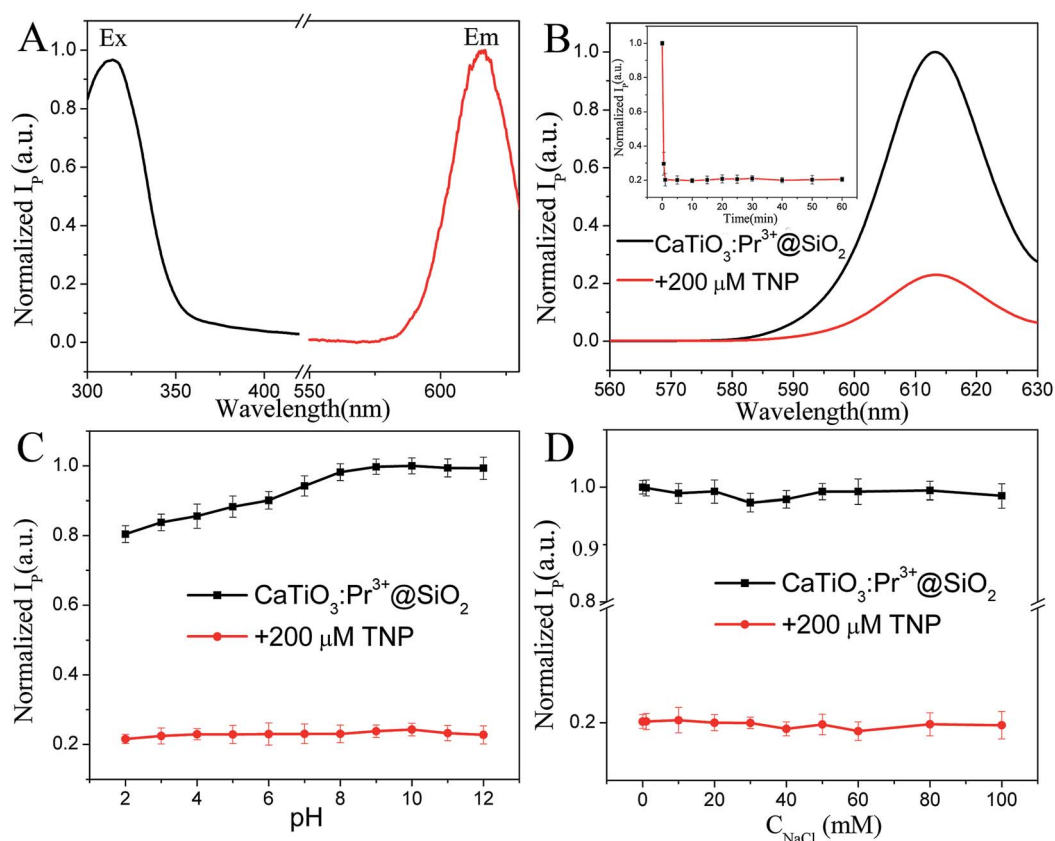
DOI: 10.1039/c8ra90040j

www.rsc.org/advances

## Correction: A long-persistent phosphorescent chemosensor for the detection of TNP based on $\text{CaTiO}_3\text{:Pr}^{3+}\text{@SiO}_2$ photoluminescence materials

Fangfang Li,<sup>a</sup> Fengyi Wang,<sup>a</sup> Xuan Hu,<sup>a</sup> Baozhan Zheng,<sup>a</sup> Juan Du<sup>\*ab</sup> and Dan Xiao<sup>\*ab</sup>Correction for 'A long-persistent phosphorescent chemosensor for the detection of TNP based on  $\text{CaTiO}_3\text{:Pr}^{3+}\text{@SiO}_2$  photoluminescence materials' by Fangfang Li *et al.*, *RSC Adv.*, 2018, 8, 16603–16610.

In Fig. 2(C) of the published paper the colours of the lines were switched. A correct version of the figure is shown below:



**Fig. 2** (A) Phosphorescence excitation (Ex) and emission spectra (Em) of  $\text{CaTiO}_3\text{:Pr}^{3+}\text{@SiO}_2$  ( $30 \mu\text{g mL}^{-1}$ ) in PBS solution (10 mM, pH = 8.0), ( $\lambda_{\text{Ex}} = 315 \text{ nm}$ ,  $\lambda_{\text{Em}} = 614 \text{ nm}$ ). (B) Phosphorescence spectra of  $30 \mu\text{g mL}^{-1}$   $\text{CaTiO}_3\text{:Pr}^{3+}\text{@SiO}_2$  with (red curve) and without (black curve) 200  $\mu\text{M}$  TNP. Inset: temporal change in the phosphorescence intensity of  $\text{CaTiO}_3\text{:Pr}^{3+}\text{@SiO}_2$  after the addition of TNP. Effect of (C) pH and (D) salt concentration on the phosphorescence intensity of  $\text{CaTiO}_3\text{:Pr}^{3+}\text{@SiO}_2$  ( $30 \mu\text{g mL}^{-1}$ ) in the absence (black line) and presence (red line) of 200  $\mu\text{M}$  TNP.  $\lambda_{\text{Ex}} = 315 \text{ nm}$  (error bars, SD,  $n = 3$ ).

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

<sup>a</sup>College of Chemistry, Sichuan University, 29 Wangjiang Road, Chengdu 610064, China. E-mail: dujuanchem@scu.edu.cn

<sup>b</sup>Key Laboratory of Green Chemistry and Technology, Ministry of Education, College of Chemistry, Sichuan University, Chengdu, Sichuan 610064, China