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Authors: Li-mei Liu, Zheng-yin Yang

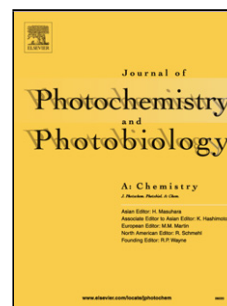
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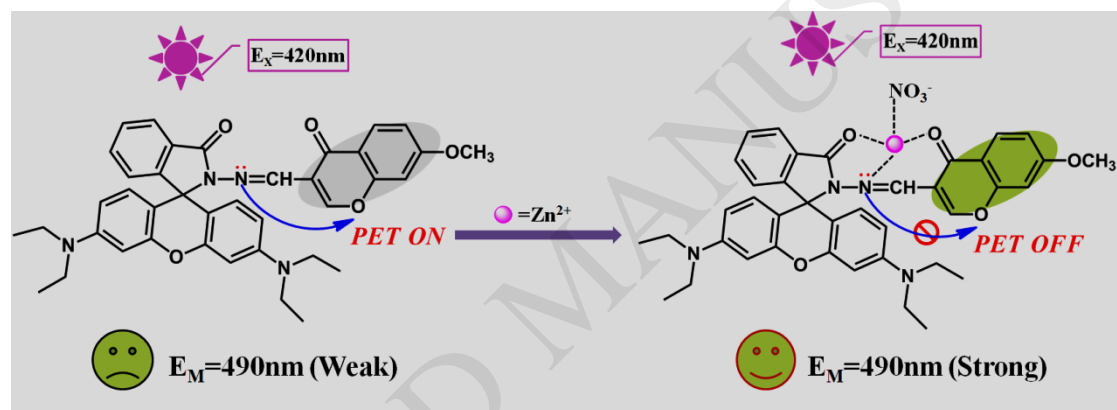
**A rhodamine and chromone based “turn-on” fluorescent probe
(RC1) for Zn(II) in aqueous solutions and its application**

Li-mei Liu, Zheng-yin Yang*

*College of Chemistry and Chemical Engineering, State Key Laboratory of Applied
Organic Chemistry, Lanzhou University, Lanzhou 730000, P.R. China*

*Corresponding author. Tel: +86 931 8913515; Fax: +86 931 812582; e-mail:

yangzy@lzu.edu.cn (Z.Y. Yang)



Highlights

- A rhodamine and chromone based “turn-on” fluorescent probe (RC1) for Zn(II) 7-methoxychromone-3-carbaldehyde-(rhodamine B carbonyl) hydrazone was designed and synthesized.
- High selectivity and sensitivity of RC1 towards Zn^{2+} over other metal ions were obtained.
- Test strips containing the receptor molecule were easy of access and offered a practical, efficient and low-cost test kit for Zn^{2+} ions.

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