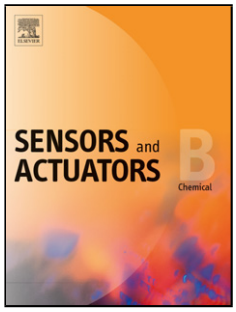

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PII: S0925-4005(17)32473-5
DOI: https://doi.org/10.1016/j.snb.2017.12.140
Reference: SNB 23828

To appear in: *Sensors and Actuators B*

Received date: 28-10-2017
Revised date: 21-12-2017
Accepted date: 21-12-2017

Please cite this article as: Xingjiang Liu, Long He, Liu Yang, Yani Geng, Lei Yang, Xiangzhi Song, Iminocoumarin-based fluorescence probe for intracellular H2O2 detection with a red emission and a large Stokes shift, Sensors and Actuators B: Chemical https://doi.org/10.1016/j.snb.2017.12.140

Iminocoumarin-based fluorescence probe for intracellular H_2O_2 detection with a red emission and a large Stokes shift

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Research Highlights

- This probe was highly selective to H_2O_2 over other reactive oxygen species (ROS).
- This probe displayed a red fluorescence (λ_{em}max = 619 nm) and a large Stokes shift (148 nm) with a low detection limit (6.0×10^{-8} mol/L).
- This probe displayed a good performance in the detection of intracellular H_2O_2 in living cells.

Abstract