Accepted Manuscript

Title: Macroscopic Visual Detection of Phoxim by Calix[4]arene-based Host-Guest Chemistry

Authors: Jiyang Feng, Guanxing Yang, Yuxiao Mei, Xianliang

Cao, Yecan Wang, Haibing Li, Qingye Lu

PII: S0925-4005(18)31014-1

DOI: https://doi.org/10.1016/j.snb.2018.05.107

Reference: SNB 24763

To appear in: Sensors and Actuators B

Received date: 14-12-2017 Revised date: 7-5-2018 Accepted date: 18-5-2018

Please cite this article as: Jiyang Feng, Guanxing Yang, Yuxiao Mei, Xianliang Cao, Yecan Wang, Haibing Li, Qingye Lu, Macroscopic Visual Detection of Phoxim by Calix[4]arene-based Host-Guest Chemistry, Sensors and Actuators B: Chemical https://doi.org/10.1016/j.snb.2018.05.107

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT



Available online at www.sciencedirect.com

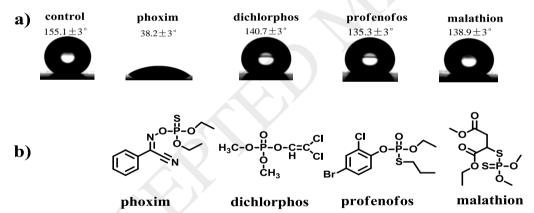
Macroscopic Visual Detection of Phoxim by Calix[4]arene-based Host-Guest Chemistry

Jiyang Feng^{a,1}, Guanxing Yang^{a,1}, Yuxiao Mei^a, Xianliang Cao^a, Yecan Wang^b, Haibing Li^{a,*}, Qingye Lu^{b,*}

^aKey Laboratory of Pesticide & Chemical Biology (CCNU), Ministry of Education, College of Chemistry, Central China Normal University, Wuhan 430079, P.R. China

^bDepartment of Chemical and Petroleum Engineering, University of Calgary, Calgary, AB, T2N 1N4, Canada

Graphical abstract



A self-assembled monolayers (C4C2-SAMs) constructed from calix[4] arene (C4C2) exhibits highly selective macroscopic response towards phoxim.

Highlights

Download English Version:

https://daneshyari.com/en/article/7138946

Download Persian Version:

https://daneshyari.com/article/7138946

<u>Daneshyari.com</u>