Analytical Methods

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ISSN 1759-9679 CODEN AMNECT 15(25) 3007-3116 (2023)



Cover

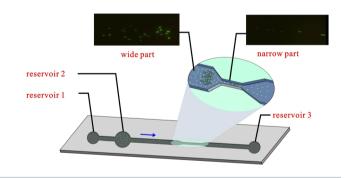
See Ryoji Kurita et al., pp. 3019-3025. Image reproduced by permission of Ryoji Kurita from Anal. Methods, 2023, 15, 3019.

COMMUNICATION

3014

Direct count of fluorescent microspheres in a microfluidic chip based on the capillary electrophoresis method

Jing Yang, Zhenqing Li,* Dawei Zhang, Yoshinori Yamaguchi* and Wen Xiao*

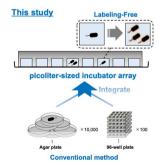


PAPERS

3019

Arrayed labeling-free cultivation and growth evaluation from a single microorganism

Yuma Tanaka, Tsukuru Minamiki and Ryoji Kurita*



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Analytical Methods (electronic: ISSN 1759-9679) is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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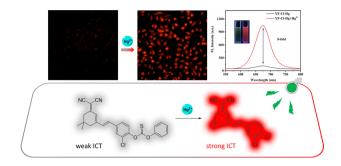


PAPERS

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A fluorescent probe based on an enhanced ICT effect for Hg²⁺ detection and cell imaging

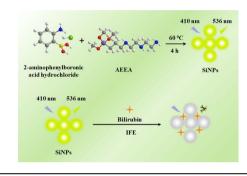
Shuchen Pei, Chaozheng Li, Xinyu Pei, Xiangyang Zhang, Yuting Chi, Wenhong Zeng, Yuanyuan Zhang, Xiaoling Liao* and Jun Chen*



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Green synthesis of yellow-green emissive silicon nanoparticles and their application for the sensitive fluorescence detection of bilirubin

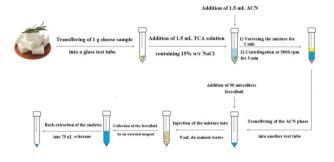
Congjie Pan,* Xuezhen Qin, Meicheng Lu and Qiujuan Ma*



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Extraction of diazinon, haloxyfop-R-methyl, hexaconazole, diniconazole, and triticonazole in cheese samples using a ferrofluid based liquid phase extraction method prior to gas chromatography

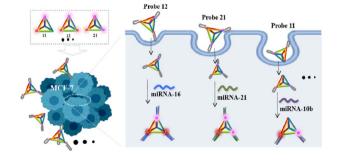
Mahdi Rouhi, Jafar Abolhassani,* Mohammad Reza Afshar Mogaddam and Mohammad Taghi Vardini



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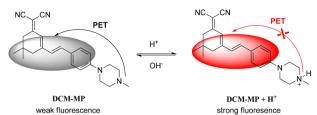
Fluorescence intensity coded DNA frameworks based on the FRET effect enable multiplexed miRNA imaging in living cells

Xiaoshuang Zhao, Yi Xu* and Xiangiang Mi*



PAPERS

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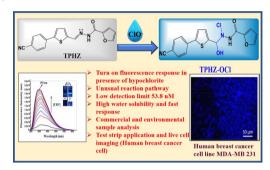


 $\lambda_{em} = 640 \text{ nm}$

A water-soluble fluorescent pH probe and its application for monitoring lysosomal pH changes in living cells

Lei Zhang, Jun Guo, Qihua You* and Yuqing Xu*

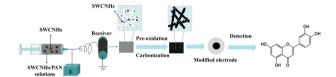
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A small-molecule fluorogenic probe for the detection of hypochlorite and its application in the bio-imaging of human breast cancer cells

Shilpita Banerjee, Anirban Karak, Satyajit Halder, Moumi Mandal, Dipanjan Banik, Kuladip Jana and Ajit Kumar Mahapatra*

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Rapid quantitative detection of luteolin using an electrochemical sensor based on electrospinning of carbon nanofibers doped with single-walled carbon nanoangles

Liwen Zhang, Danfeng Qin,* Jun Feng, Tingfan Tang and Hao Cheng*

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a
b
Sensing material
Ni-Cr heater
Au electrode

High-performance metal-oxide gas sensors based on hierarchical core—shell ZnFe₂O₄ microspheres for detecting 2-chloroethyl ethyl sulfide

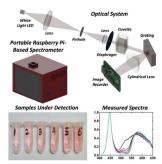
Junchao Yang, Liu Yang, Shuya Cao, Jie Yang, Cancan Yan, Ling Zhang, Qibin Huang* and Jiang Zhao*

PAPERS

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A portable Raspberry Pi-based spectrometer for onsite spectral testing

Lin Zhu, Shuwei Yang, Zhibo Xiao, Huachuan Huang, Keding Yan and Shouyu Wang*



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Rapid microwave fabrication of red-carbon quantum dots as fluorescent on-off-on probes for the sequential determination of Fe(III) ion and ascorbic acid in authentic samples

Shan Huang, Bo Li, Gan Ning, Wenqian Zhang, Pingping Mu, Sijing Chen* and Qi Xiao*

