Analytical Methods

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Cover

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MINIREVIEW

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Response strategies and biological applications of organic fluorescent thermometry: cell- and mitochondrion-level detection

Shuai Li, Yaoxuan Li, Shiji Zhang, Haixiao Fang, Ze Huang, Duoteng Zhang, Aixiang Ding, Kajsa Uvdal, Zhangjun Hu, Kai Huang* and Lin Li*

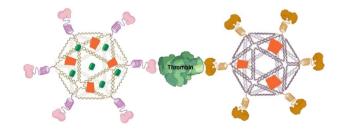


CRITICAL REVIEW

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Sandwich-type aptamer-based biosensors for thrombin detection

Somayeh Sahraneshin Samani, Elham Sameiyan, Farideh Tabatabaei Yazdi, Sayed Ali Mortazavi, Mona Alibolandi, Mohammad Ramezani, Seyed Mohammad Taghdisi* and Khalil Abnous*







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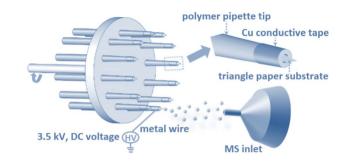
Fundamental questions Elemental answers



COMMUNICATION

Surface charge-induced electrospray for highthroughput analysis of complex samples and electrochemical reaction intermediates using mass spectrometry

Yajie Huang, Yajun Zheng, Qiangian Zuo, Zhiming Zhang, Lixuan Zhu, Yun Li and Zhiping Zhang*

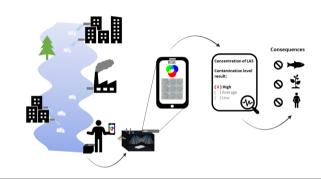


PAPERS

2009

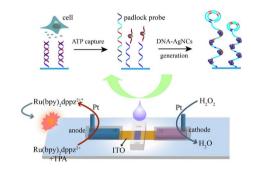
A novel in situ method for linear alkylbenzene sulfonate quantification in environmental samples using a digital image-based method

Helayne S. de Sousa, Roxanny Arruda-Santos, Eliete Zanardi-Lamardo, Willian T. Suarez, Josiane L. de Oliveira, Renata A. Farias and Vagner Bezerra dos Santos*



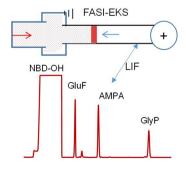
An electrochemiluminescence microsensor based on DNA-silver nanoclusters amplification for detecting cellular adenosine triphosphate

GuanQi Wu, Jian Chen, JinXin Dou, XiangWei He,* Hai-Fang Li* and Jin-Ming Lin

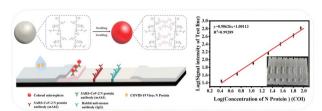


Sensitive detection of herbicide residues using fieldamplified sample injection coupled with electrokinetic supercharging in flow-gated capillary electrophoresis

Ying Gong and Maojun Gong*



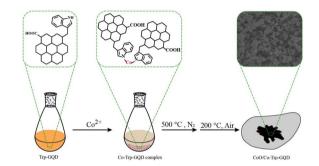
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Preparation of dyed polymer microspheres by a physical-chemical dual-binding method and their application in lateral flow immunoassay

Jiatong Li, Pengfei Zhang, Qianrui Xu, Yingrui Nie, Shimin Shao, Zhifei Wang and Yong Jiang*

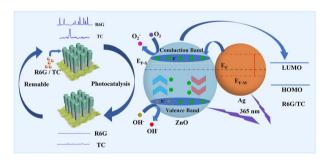
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CoO/Co-graphene quantum dots as an oxidative mimetic nanozyme for the colorimetric detection of L-cysteine

Dan Xu,* Qingbo Tu, Xin San, Anhong Zhu and Xinru Li

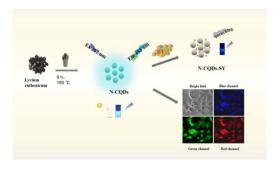
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Yixin Shao, Hongxin Cai,* Lingling Yan,* Hang Yu, Qiang Hu, Liang Chen, Haitao Zong and Xiufang Hou

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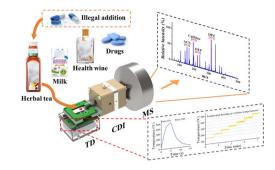
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Qian Zhang, Xiaoqi Wang, Lili Yuan, Lina Yu, Congying Shao,* Hongxing Jia* and Shun Lu*

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Diverse thermal desorption combined with selfaspirating corona discharge ionization for direct mass spectrometry analysis of complex samples

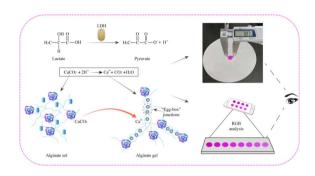
Qinhao Shi, Xiaohua Yu, Shuang Sun, Weilong Wu, Wenyan Shi* and Quan Yu*



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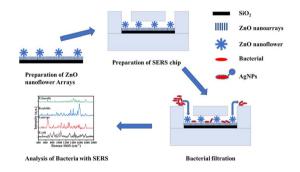
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Wenjuan Wang, Danrong Chen, Yujiao Cai, Zijing Liu, Hongfen Yang, Hongbin Xie, Jinquan Liu and Shengyuan Yang*



A novel multifunctional SERS microfluidic sensor based on ZnO/Ag nanoflower arrays for label-free ultrasensitive detection of bacteria

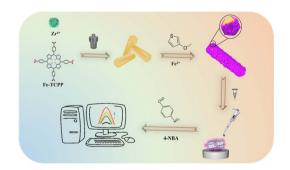
Yue Liu, Guanwen Su, Wei Wang, Hongyuan Wei and Leping Dang*



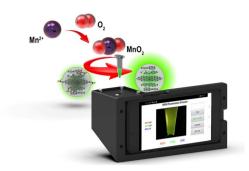
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Wen-yi Chen, Xin-yu Huang, Qian Sun* and En-ging Gao



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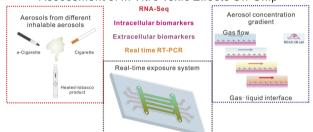


A portable fluorescence detection device based on a smartphone employing carbon nanodots for Mn²⁺ sensing

Pijika Mool-am-kha, Samuch Phetduang, Kessarin Ngamdee, Chayada Surawanitkun, Xiang-Kui Ren and Wittaya Ngeontae*

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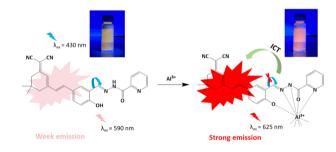
Assessment of In Vitro Toxic Effects On-Chip



The application of a self-designed microfluidic lung chip in the assessment of different inhalable aerosols

Zezhi Li, Xiang Li,* Boyang Feng, Junwei Zhao, Kejian Liu, Fuwei Xie and Jianping Xie*

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A novel isophorone-based fluorescent probe for recognizing Al³⁺ and its bioimaging in plants

Yanna Zhao,* Yuqi Wang, Yingying Zhang, Xiaowei Bai, Wentong Hou and Yuqing Huang

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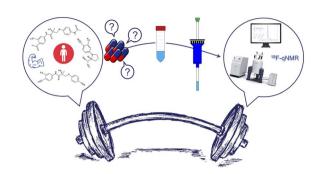
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Zhili Liu, Xiaojun Wang, Jing Li, Wenfeng Zhou, Haixiang Gao and Runhua Lu*

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A screening method for the quantitative determination of selective androgen receptor modulators (SARMs) in capsules by high resolution ¹⁹F- and ¹H-NMR spectroscopy

Alessandro Maccelli, Anna Borioni, Federica Aureli, Maria Cristina Gaudiano, Livia Manna and Mariangela Raimondo*



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Shao-Chun Hsueh, Ling-Hsuan Wang, Yung-Chen Liao, Hui-Yu Chiang and Cheng-Huang Lin*

