

## IN THIS ISSUE

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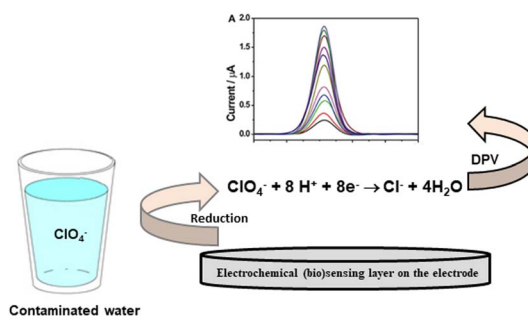
See Sheshanath V. Bhosale *et al.*, pp. 3404–3410. Image reproduced by permission of Sheshanath V. Bhosale from *Anal. Methods*, 2023, 15, 3404.

## CRITICAL REVIEW

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### Analysis and electroanalysis of perchlorate in water and food samples: a critical review

Alyah Buzid,<sup>\*</sup> Janine Boertjes, Elizabeth S. Gilchrist, Jeremy D. Glennon and John H. T. Luong<sup>\*</sup>

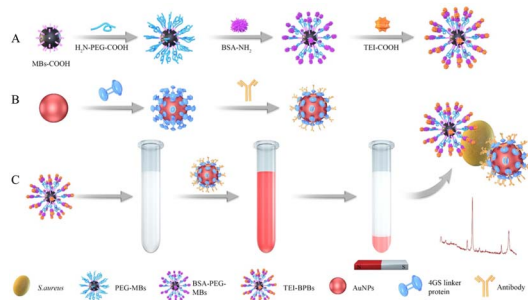


## PAPERS

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### Functionalized magnetic nanobeads for SERS-based detection of *Staphylococcus aureus*

Shuaifeng Ji, Yunfeng Xiang, Dianpeng Han, Chenghua Liu, Yuwan Du, Yuan Peng, Shuang Li, Shuyue Ren, Kang Qin, Yu Wang, Huanying Zhou, Zhenhong Jia<sup>\*</sup> and Zhixian Gao<sup>\*</sup>



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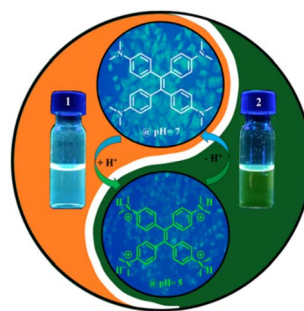


## PAPERS

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### Molecular nanoarchitectonics of proton triggered tetraphenylethylene-based detector: colorimetric, reversible, and intracellular pH

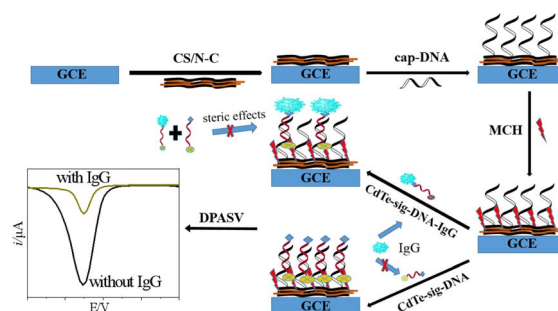
Harshad A. Mirgane, Kerba S. More, Ambadas B. Rode, Avinash L. Puyad and Sheshanath V. Bhosale\*



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### Biosensors based on DNA-functionalized CdTe quantum dots for the enhanced electrochemical detection of human-IgG

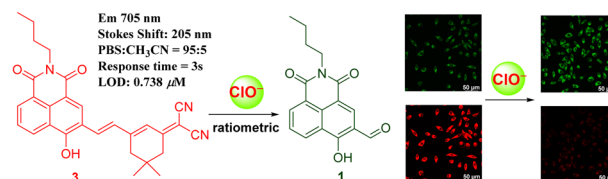
Jiajia Wang, Wenhui Dong, Xiaomin Yang, Yanan Li and Baokang Jin\*



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### A facile ratiometric near-infrared fluorescent probe using conjugated 1,8-naphthalimide and dicyanoisophorone with a vinylene linker for detection and bioimaging of hypochlorite

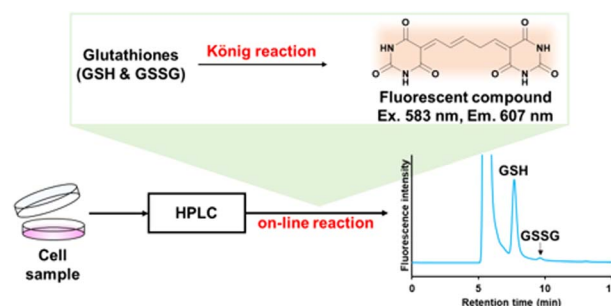
Ziyi Zhang, Lili Ma, Yanlan Huang, Yan Zhou, Hua Zhang, Jinwu Yan\* and Chuanxiang Liu\*



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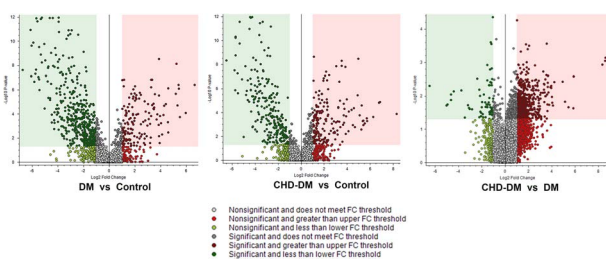
### Simultaneous determination of intracellular reduced and oxidized glutathiones by the König reaction

Ryu Mochizuki, Akane Kobayashi, Hiromitsu Takayama, Toshihiko Toida and Yasumitsu Ogra\*



## PAPERS

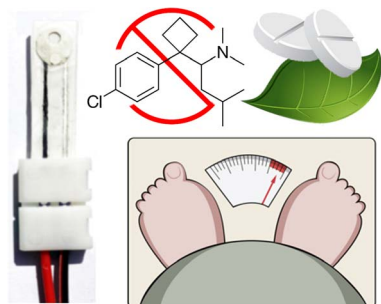
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### Serum metabolomic analysis revealed potential metabolite biomarkers for diabetes mellitus with coronary heart disease

Zhenning Jin,\* Wei Hu and Yan Yang

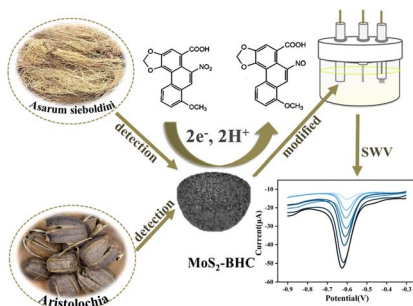
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### A trimodal detection paper chip for undisclosed drug "sibutramine" in nutraceuticals

Heba T. Elbalkiny, Ali M. Yehia and Mahmoud A. Tantawy\*

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### MoS<sub>2</sub> nanosheets grown on bowl-shaped hollow carbon spheres as an efficient electrochemical sensor for ultrasensitive determination of nephrotoxic aristolochic acids in Chinese traditional herbs

Menglin Zhou, Tingfan Tang, Xiujun Deng,\* Qian Li, Zesen Zuo and Guangzhi Hu\*

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### Design and application of a paper-based optoelectronic nose for the on-site discrimination of essential oils using a chemometric web app

Bárbara Cristina Dias, Licarion Pinto and João Flávio da Silveira Petrucci\*

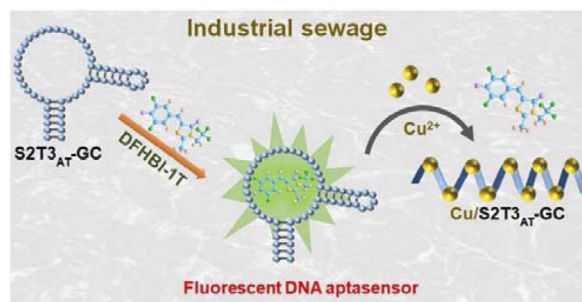


## PAPERS

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### Construction of a novel fluorescent DNA aptasensor for the fast-response and sensitive detection of copper ions in industrial sewage

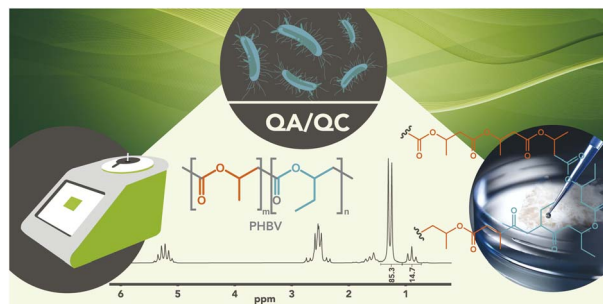
Yue Mou, Yanfei Zhang, Xinru Lin, Meiyun Chen, Yuxiang Xia, Shu Zhu, Chonghui Wei and Xingyu Luo\*



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### Determination of copolymer compositions in polyhydroxyalkanoates using $^1\text{H}$ benchtop nuclear magnetic resonance spectroscopy

Juan F. Araneda, Hasitha de Alwis Weerasekera, Matthew C. Leclerc,\* Sharmaine B. Luk and Susanne D. Riegel

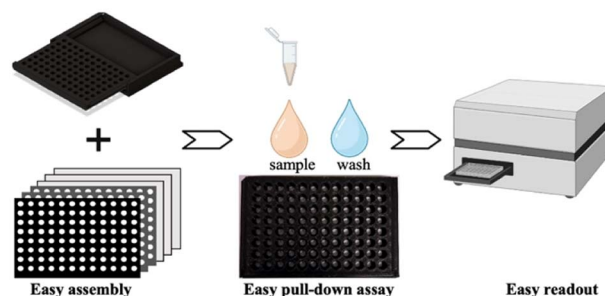


## TECHNICAL NOTE

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### Development of a cellulose-based 96-well plate vertical flow pull-down assay

Hoi Lok Cheng, Huan Jia, Sing Mei Lim, Say Yong Ng, Patthara Kongsuphol, Megan E. McBee and Hadley D. Sikes\*



## CORRECTION

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### Correction: Recent trends in ozone sensing technology

Muhammad Mudassir Iqbal, Gulzar Muhammad,\* Muhammad Ajaz Hussain, Hina Hanif, Muhammad Arshad Raza and Zahid Shafiq\*

