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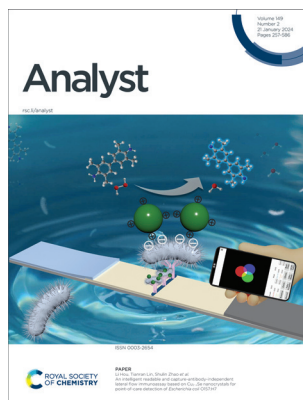
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ISSN 0003-2654 CODEN ANALAO 149(2) 257-586 (2024)



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pp. 350–356.

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Shulin Zhao *et al.*,
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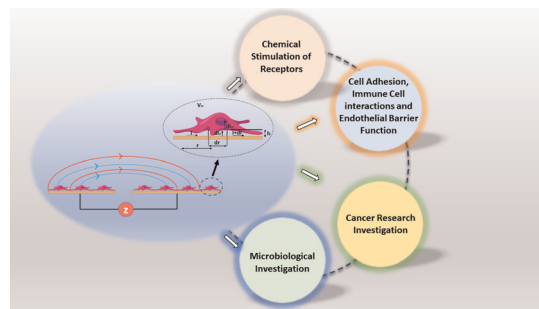
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CRITICAL REVIEWS

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A review of electrochemical impedance as a tool for examining cell biology and subcellular mechanisms: merits, limits, and future prospects

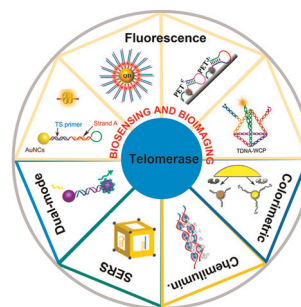
Seyedyousef Arman, Richard D. Tilley and J. Justin Gooding*



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Recent advances in optical biosensing and imaging of telomerase activity and relevant signal amplification strategies

Ruining Yang, Junbo Hu, Longsheng Zhang, Xingfen Liu,* Yanqin Huang, Lei Zhang and Quli Fan



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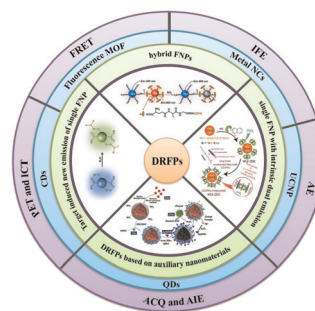
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CRITICAL REVIEWS

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The construction of dual-emissive ratiometric fluorescent probes based on fluorescent nanoparticles for the detection of metal ions and small molecules

Yaxin Li, Hongzhi Lu and Shoufang Xu*

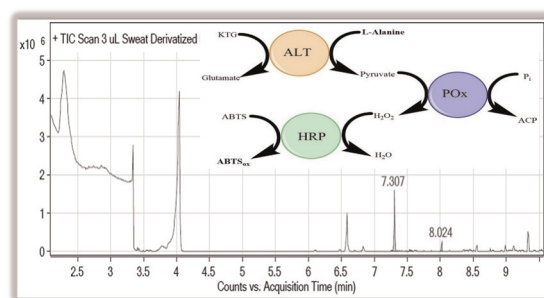


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Metabolite monitoring concept for the biometric identification of individuals from the skin surface

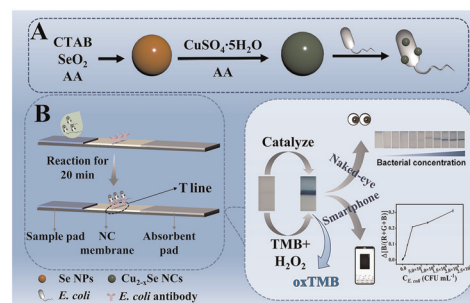
Mindy Greco, Morgan Eldridge, Emilynn Banks, Lenka Halámková and Jan Halánek*



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An intelligent readable and capture-antibody-independent lateral flow immunoassay based on Cu_{2-x}Se nanocrystals for point-of-care detection of *Escherichia coli* O157:H7

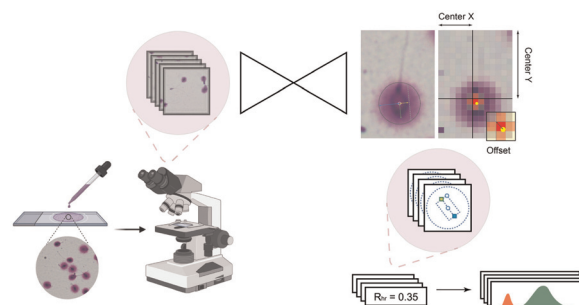
Yiyun Yao, Li Hou,* Fenghuang Wei, Tianran Lin* and Shulin Zhao*



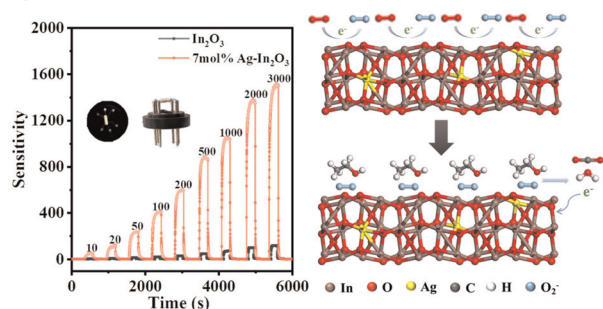
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Zheng Yang, Lei Zhang, Heng Fan, Bei Yan, Yaoqin Mu, Yue Zhou, Chengbin Pei, Longjie Li* and Xianjin Xiao*



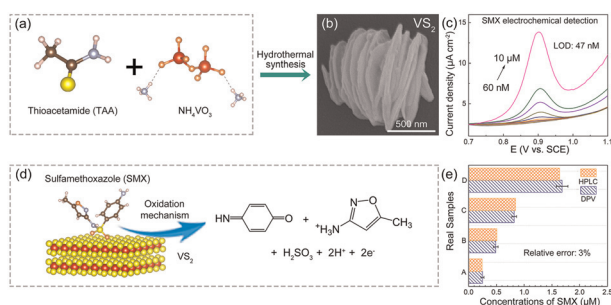
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Facile synthesis of Ag lattice doped mesoporous In_2O_3 nanocubes for high performance ethanol sensing

Xinyu Liu, Cuiping Jia,* Xin liu, Jiabing Luo, Yan Zhou, Wenle Li, Shutao Wang and Jun Zhang*

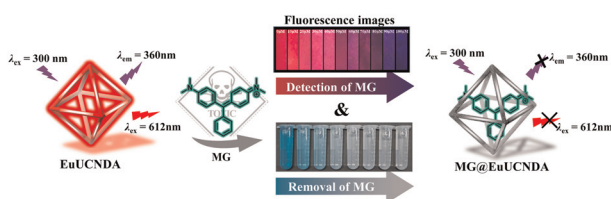
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A promising electrochemical sensor based on PVP-induced shape control of a hydrothermally synthesized layered structured vanadium disulfide for the sensitive detection of a sulfamethoxazole antibiotic

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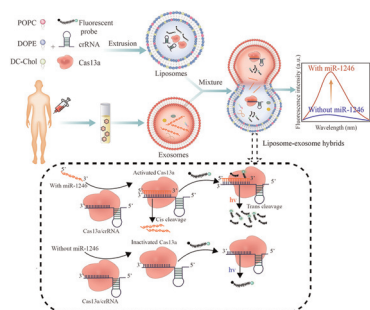
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Liposome–exosome hybrids for *in situ* detection of exosomal miR-1246 in breast cancer

Xuting Zhou, Wenting Tang, Yan Zhang, Aidong Deng, Yuehua Guo* and Li Qian*

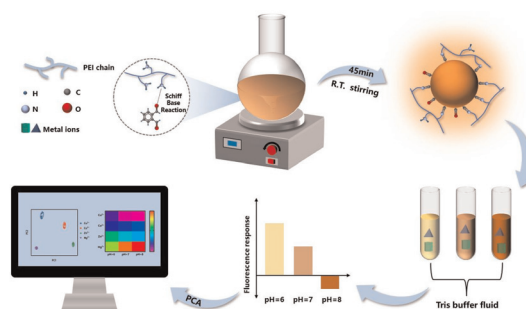


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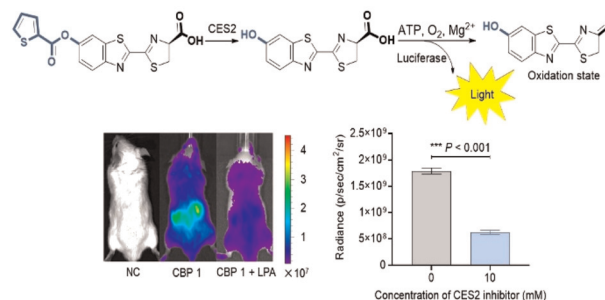
Yifan Lu, Wenbang Yu,* Guoyue Shi and Min Zhang*



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Identification of the first selective bioluminescent probe for real-time monitoring of carboxylesterase 2 *in vitro* and *in vivo*

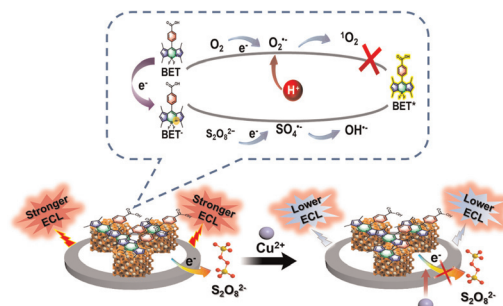
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Palladium nanospheres-embedded metal-organic frameworks to enhance the ECL efficiency of 2,6-dimethyl-8-(3-carboxyphenyl)4,4'-difluoroboradiazene in aqueous solution for ultrasensitive Cu²⁺ detection

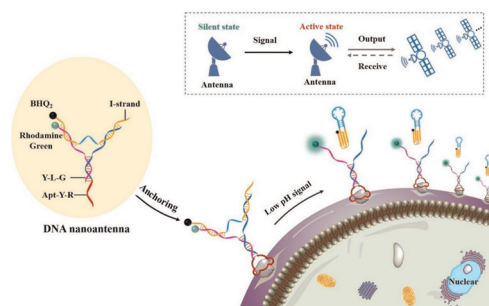
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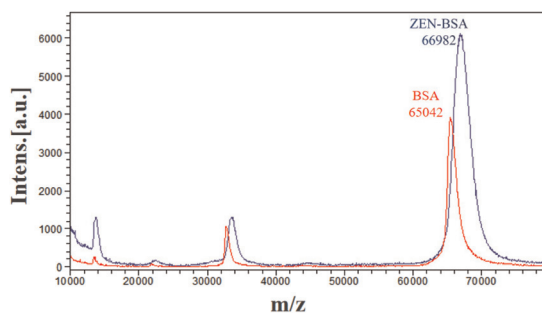
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A hairpin-contained i-motif guided DNA nanoantenna for sensitive and specific sensing of tumor extracellular pH gradients

Wenjie Ma, Yuchen Wu, Jinyan Li, Mei Yang, He Zhang, Chang Liu and Xiaoxiao He*



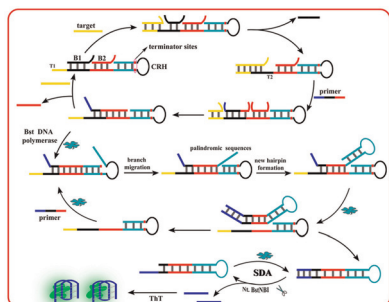
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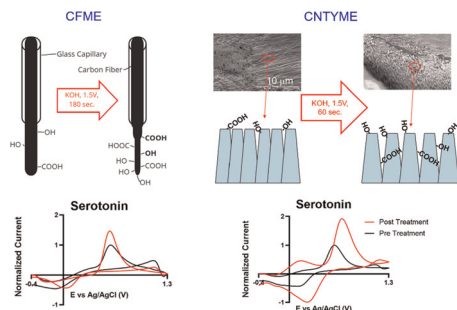
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Target-initiated triplex signal amplification cascades for non-label and sensitive fluorescence sensing of microRNA

Lei Liao, Tingting Gong, Bingying Jiang,* Ruo Yuan and Yun Xiang*

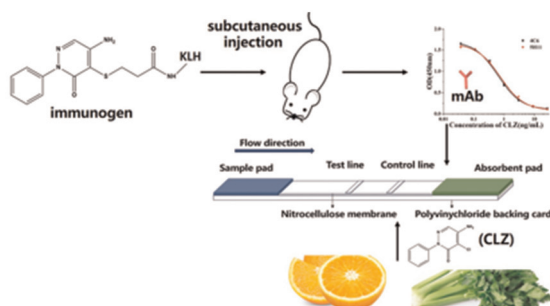
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Qing Zhang, Aihong Wu, Jinyan Li, Liqiang Liu, Hua Kuang, Chuanlai Xu and Lingling Guo*

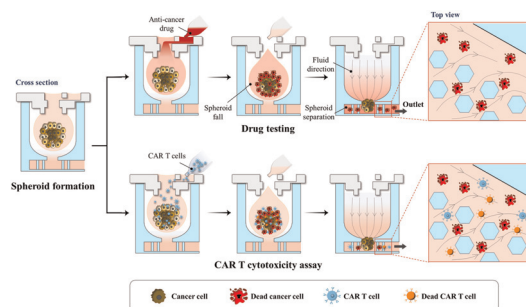


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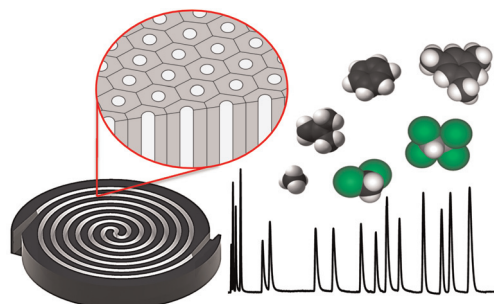
Zhenzhong Chen, Seokgyu Han, Sein Kim, Chanyang Lee, Arleen Sanny, Andy Hee-Meng Tan and Sungsu Park*



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A stamped aluminium gas chromatographic column disk employing directly grown anodic aluminium oxide stationary phase for the separation of aromatic and chlorinated compounds

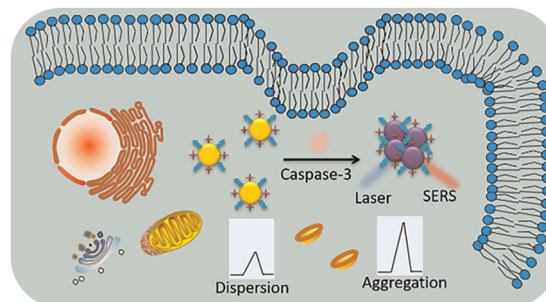
Chih-Chieh Fan, Chih-Chia Wang* and Chia-Jung Lu*



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Highly sensitive and selective SERS detection of caspase-3 during cell apoptosis based on the target-induced hotspot effect

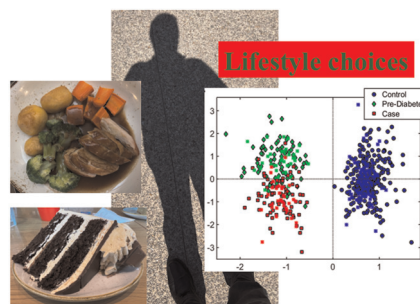
Yueyuan Zhuang, Han Dong, Tianqing Liu, Yongmei Zhao, Yan Xu, Xiaojuan Zhao* and Dan Sun*



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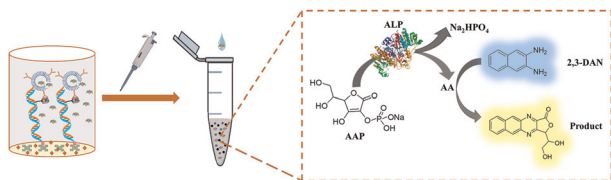
Serum-based ATR-FTIR spectroscopy combined with multivariate analysis for the diagnosis of pre-diabetes and diabetes

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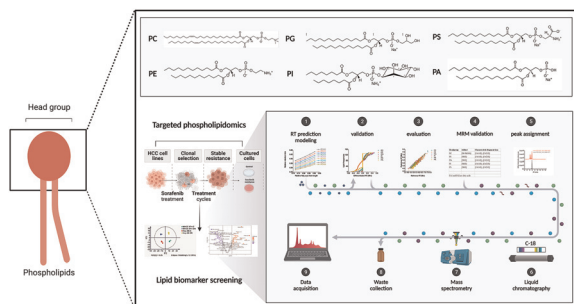
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A ratiometric fluorescence assay for the detection of DNA methylation based on an alkaline phosphatase triggered *in situ* fluorogenic reaction

Hongding Zhang,* Yinhui Su, Jiamiao Zhao, Huixi Song and Xiaohong Zhou

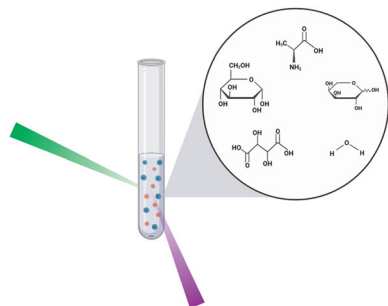
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Retention time prediction and MRM validation reinforce the biomarker identification of LC-MS based phospholipidomics

Jiangang Zhang, Yu Zhou, Juan Lei, Xudong Liu, Nan Zhang, Lei Wu and Yongsheng Li*

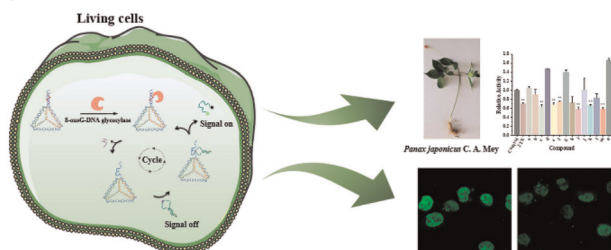
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Christopher B. Marble,* Kassie S. Marble, Ethan B. Keene, Georgi I. Petrov and Vladislav V. Yakovlev

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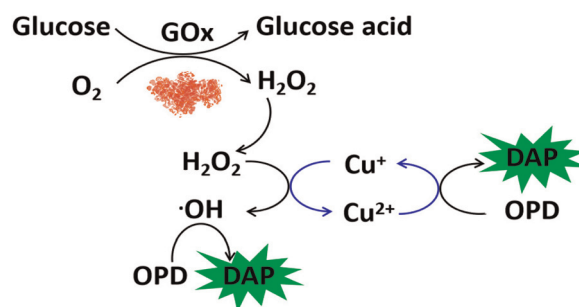
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Fenton-like reaction triggered chemical redox-cycling signal amplification for ultrasensitive fluorometric detection of H_2O_2 and glucose

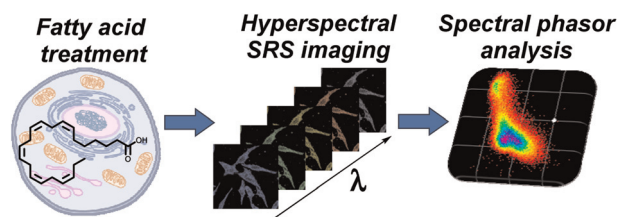
Lu Sun, Lin-Ge Chen and Hai-Bo Wang*



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Spectral fingerprinting of cellular lipid droplets using stimulated Raman scattering microscopy and chemometric analysis

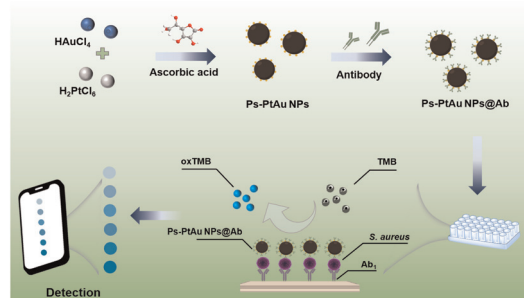
Aur lie Rensonnet, William J. Tipping, Cedric Malherbe, Karen Faulds, Gauthier Epepe and Duncan Graham*



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A pomegranate seed-structured nanozyme-based colorimetric immunoassay for highly sensitive and specific biosensing of *Staphylococcus aureus*

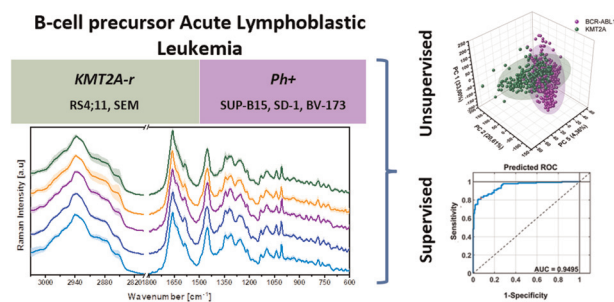
Jinghui Li, Yipeng Tang, Yunpeng Bai, Zhejun Zhang, Shaopeng Zhang, Tongyun Chen,* Feng Zhao* and Zhigang Guo*



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Correction: CannibiSenS: an on-demand rapid screen for THC in human saliva

Nathan Kodjo Mintah Churcher, Vikram Narayanan Dhamu and Shalini Prasad*

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Correction: A poly(thymine)-templated fluorescent copper nanoparticle hydrogel-based visual and portable strategy for an organophosphorus pesticide assay

Jihua Chen, Ting Han, Xiuyun Feng, Baojuan Wang and Guangfeng Wang*

