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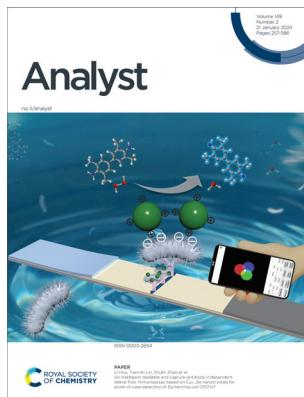
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### Cover

See Jan Halámek et al.,  
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**149**, 350.



### Inside cover

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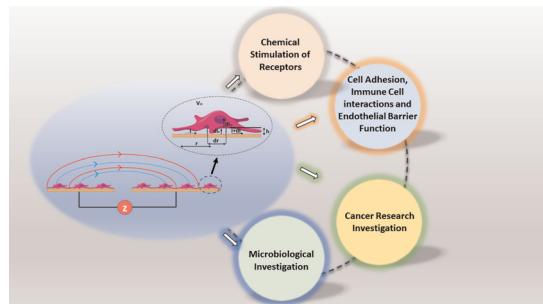
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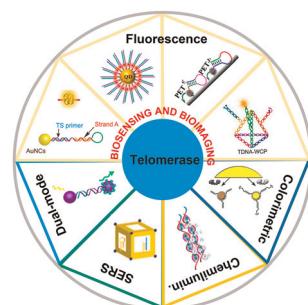
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# RSC Advances

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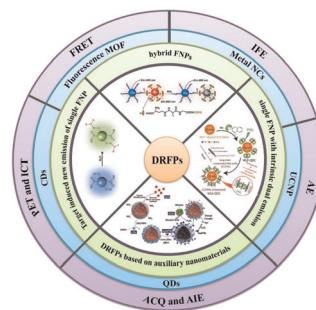
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## CRITICAL REVIEWS

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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**

Yixin Li, Hongzhi Lu and Shoufang Xu\*

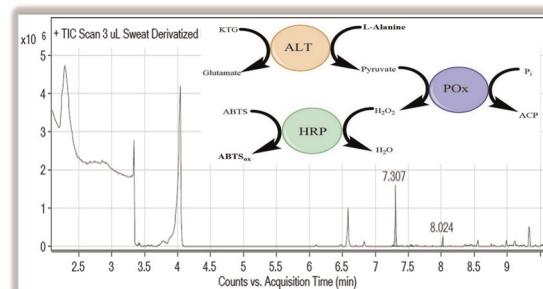


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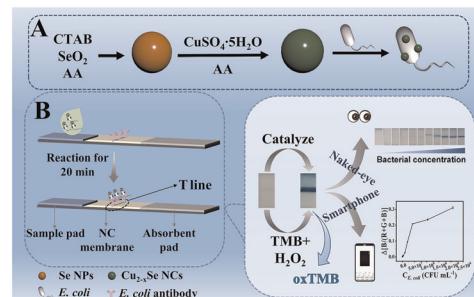
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**An intelligent readable and capture-antibody-independent lateral flow immunoassay based on Cu<sub>2-x</sub>Se nanocrystals for point-of-care detection of *Escherichia coli* O157:H7**

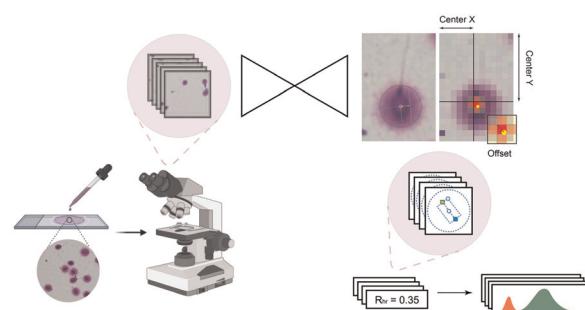
Yiyun Yao, Li Hou,\* Fenghuang Wei, Tianran Lin\* and Shulin Zhao\*



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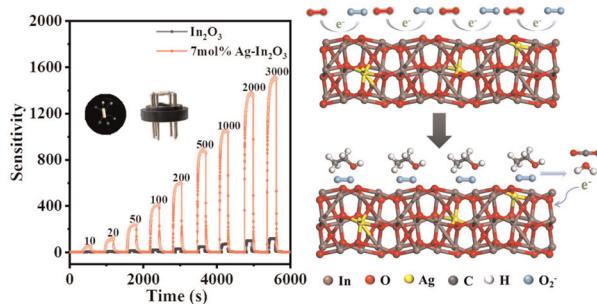
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Zheng Yang, Lei Zhang, Heng Fan, Bei Yan, Yaoqin Mu, Yue Zhou, Chengbin Pei, Longjie Li\* and Xianjin Xiao\*



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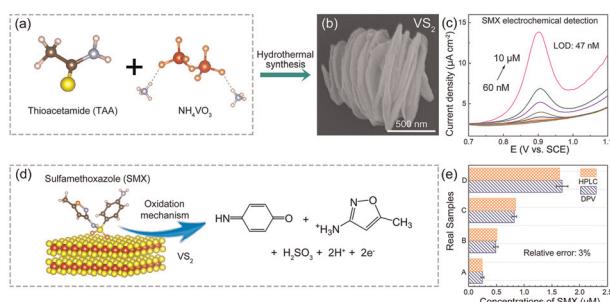
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Xinyu Liu, Cuiping Jia,\* Xin Liu, Jiabing Luo, Yan Zhou, Wenle Li, Shutao Wang and Jun Zhang\*

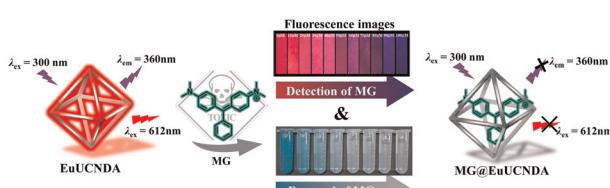
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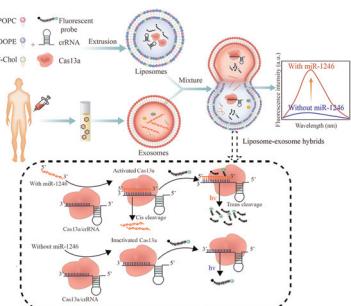
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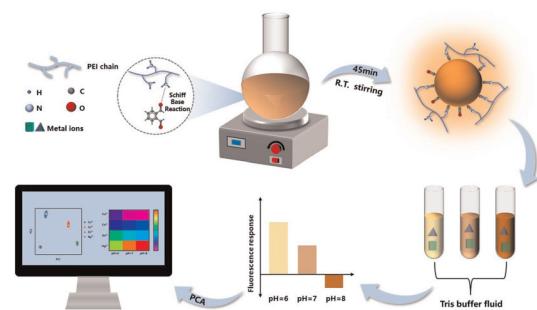


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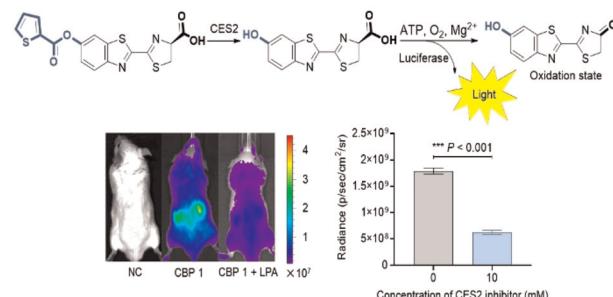
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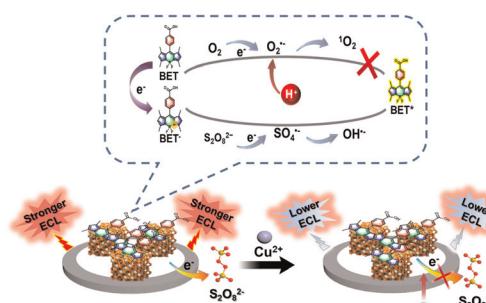
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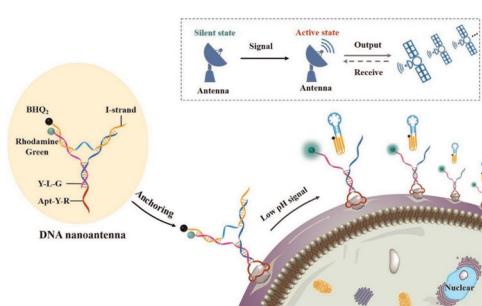
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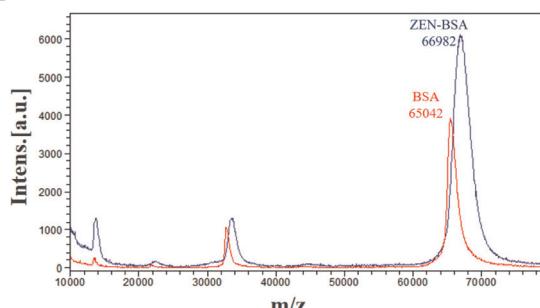
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Wenjie Ma, Yuchen Wu, Jinyan Li, Mei Yang, He Zhang, Chang Liu and Xiaoxiao He\*



## PAPERS

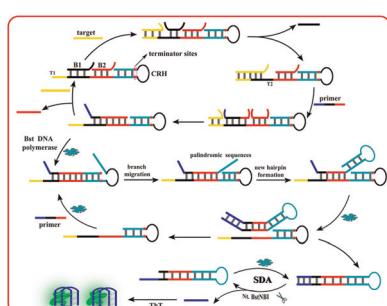
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**A sensitive monoclonal antibody-based ELISA integrated with immunoaffinity column extraction for the detection of zearalenone in food and feed samples**

Ting Wang, Ting Zhou, Kang Wu,\* Junlin Cao, Yuze Feng, Jianguo Li\* and Anping Deng\*

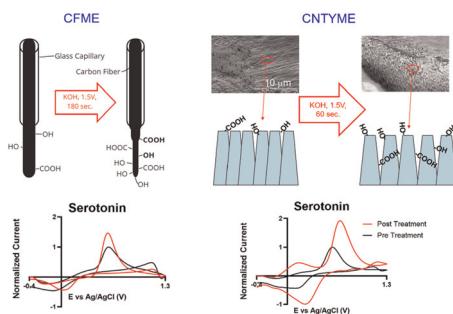
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**Target-initiated triplex signal amplification cascades for non-label and sensitive fluorescence sensing of microRNA**

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

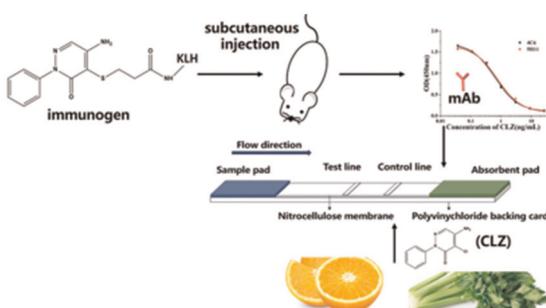
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Qing Zhang, Aihong Wu, Jinyan Li, Liqiang Liu, Hua Kuang, Chuanlai Xu and Lingling Guo\*

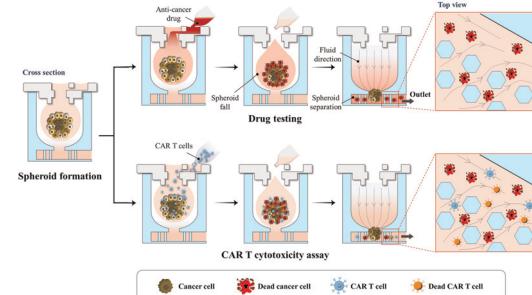


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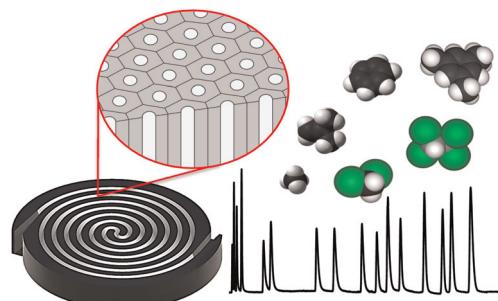
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**A stamped aluminium gas chromatographic column disk employing directly grown anodic aluminium oxide stationary phase for the separation of aromatic and chlorinated compounds**

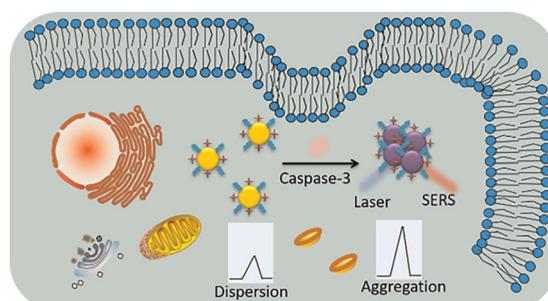
Chih-Chieh Fan, Chih-Chia Wang\* and Chia-Jung Lu\*



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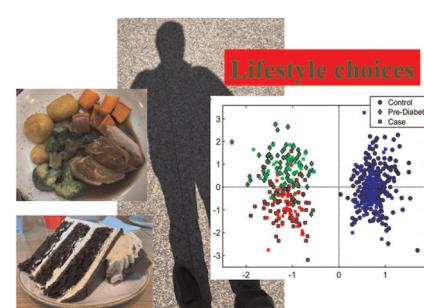
Yueyuan Zhuang, Han Dong, Tianqing Liu, Yongmei Zhao, Yan Xu, Xiaojuan Zhao\* and Dan Sun\*



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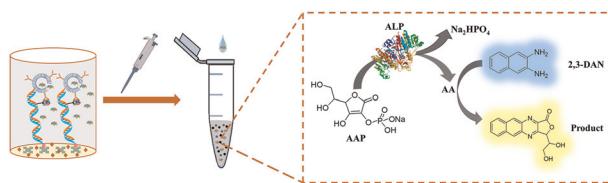
**Serum-based ATR-FTIR spectroscopy combined with multivariate analysis for the diagnosis of pre-diabetes and diabetes**

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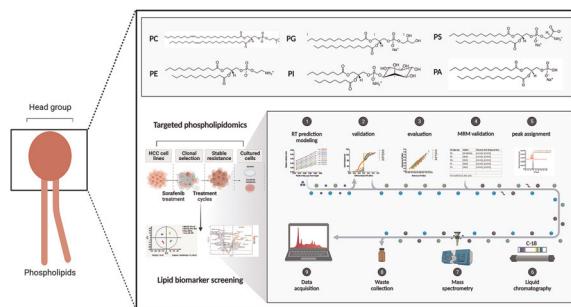
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### A ratiometric fluorescence assay for the detection of DNA methylation based on an alkaline phosphatase triggered *in situ* fluorogenic reaction

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

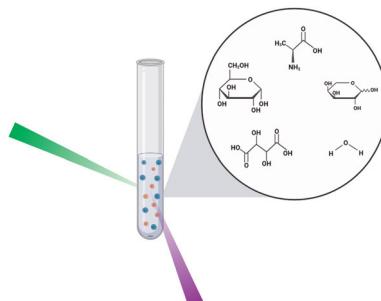
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### Retention time prediction and MRM validation reinforce the biomarker identification of LC-MS based phospholipidomics

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

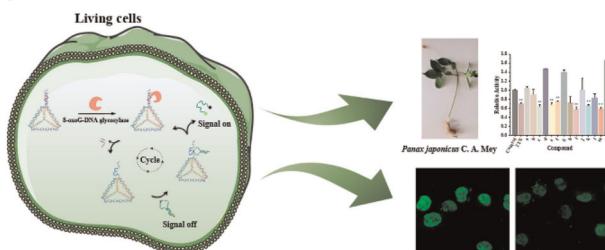
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Yun Qiu, Bin Liu, Wenchao Zhou, Xueqing Tao, Yang Liu, Linxi Mao, Huizhen Wang, Hanwen Yuan, Yupei Yang, Bin Li, Wei Wang\* and Yixing Qiu\*

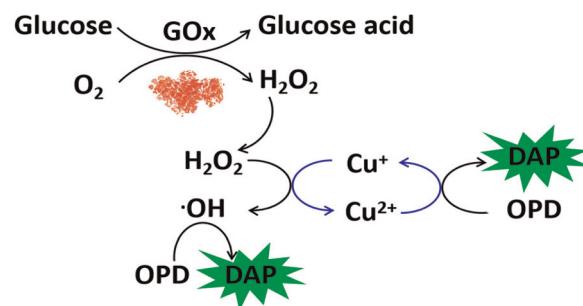


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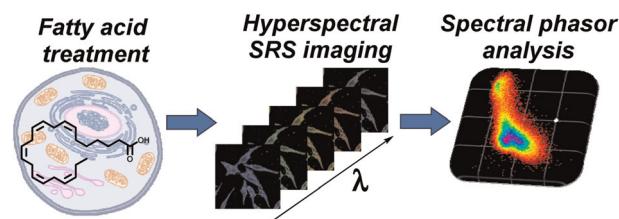
Lu Sun, Lin-Ge Chen and Hai-Bo Wang\*



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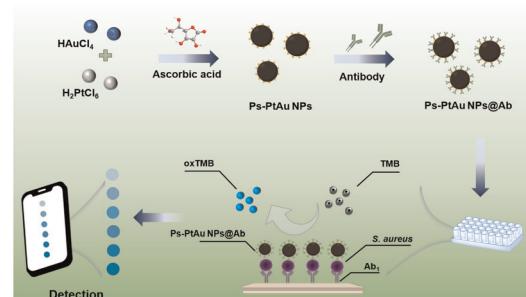
Aurélie Rensonnet, William J. Tipping, Cedric Malherbe, Karen Faulds, Gauthier Eppe and Duncan Graham\*



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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\*

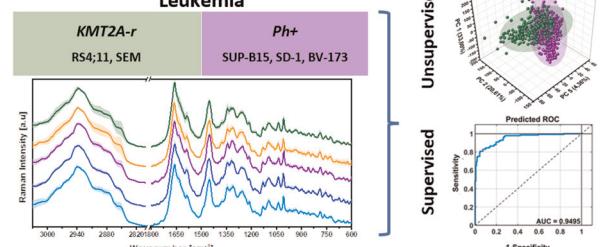


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**Raman classification of selected subtypes of acute lymphoblastic leukemia (ALL)**

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**B-cell precursor Acute Lymphoblastic Leukemia**



## CORRECTIONS

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**582****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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**583****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\*

