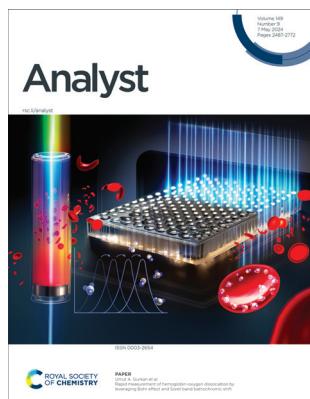


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ISSN 0003-2654 CODEN ANALAO 149(9) 2487-2772 (2024)



### Cover

See Umut A. Gurkan et al.,  
pp. 2561–2572.

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2024, **149**, 2561.



### Inside cover

See Jonas Warneke et al.,  
pp. 2573–2585.

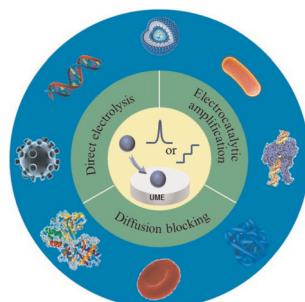
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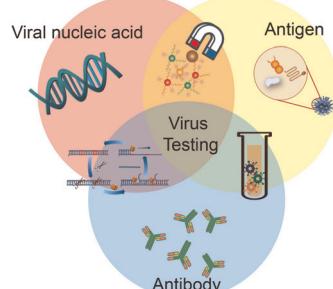
Jian-Hua Zhang,\* Dian-Mei Song and Yi-Ge Zhou\*



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Yu-Peng Zhang, Jin-Wei Bu, Ru-Xin Shu\* and  
Shu-Lin Liu\*



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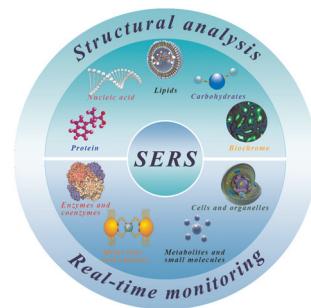
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Ling Xia, Yujiang Huang, Qiuying Wang, Xiaotong Wang, Yunpeng Wang, Jing Wu and Yang Li\*



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Gunani Jayamaha, Mahin Maleki, Cameron L. Bentley and Minkyung Kang\*

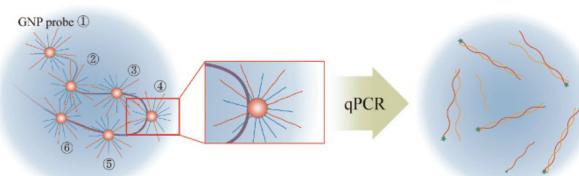


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**Single-virus-sensitive barcode qPCR mediated by the aggregation of gold nanoparticle probes**

Yuanzhao Shen, Chih-Tsung Yang, Weiwei Li\* and Xin Zhou\*

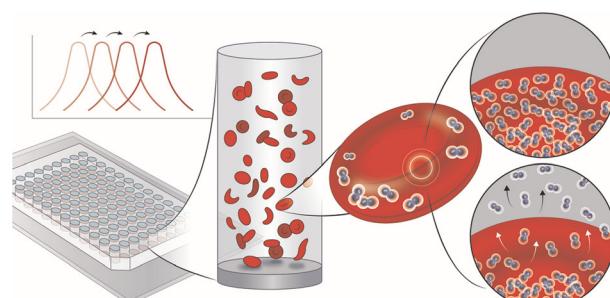


## PAPERS

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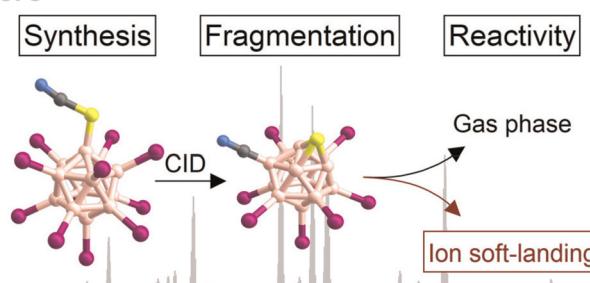
**Rapid measurement of hemoglobin-oxygen dissociation by leveraging Bohr effect and Soret band bathochromic shift**

Zoe Sekyonda, Ran An, Utku Goreke, Yuncheng Man, Karamoja Monchamp, Allison Bode, Qiaochu Zhang, Yasmin El-Gammal, Cissy Kityo, Theodosia A. Kalfa, Ozan Akkus and Umut A. Gurkan\*



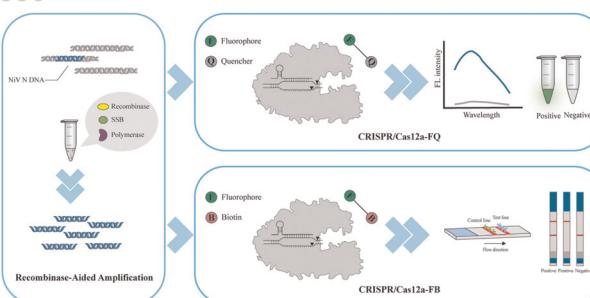
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**Generation and reactivity of the fragment ion  $[B_{12}I_8(CN)]^-$  in the gas phase and on surfaces**

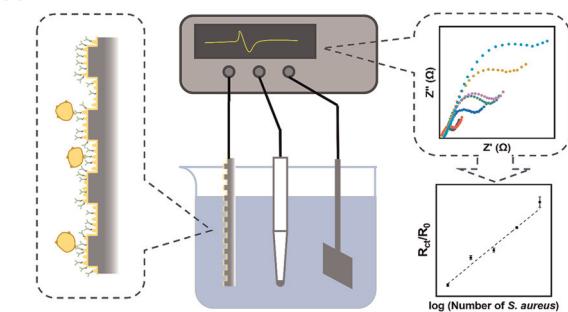
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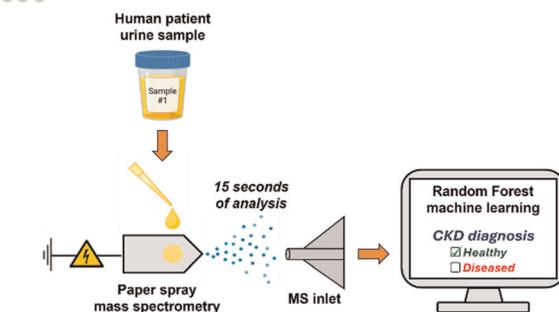
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Caiyun Wang, Rui Yang, Guangtong Wang\* and Shaoqin Liu\*

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**Paper spray mass spectrometry combined with machine learning as a rapid diagnostic for chronic kidney disease**

Igor Pereira, Jindar N. S. Sboto, Jason L. Robinson and Chris G. Gill\*

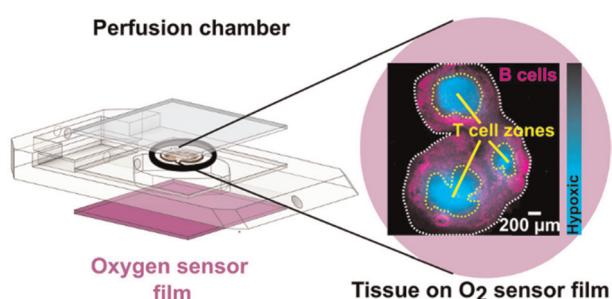


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**Spatially resolved quantification of oxygen consumption rate in ex vivo lymph node slices**

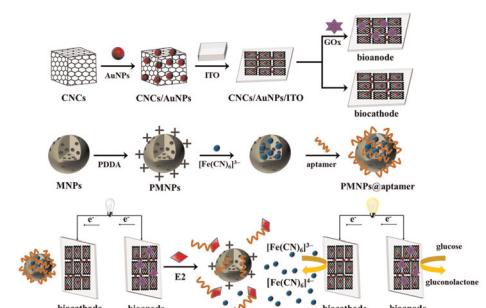
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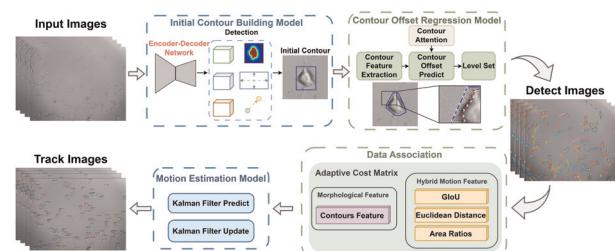
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**HFM-Tracker: a cell tracking algorithm based on hybrid feature matching**

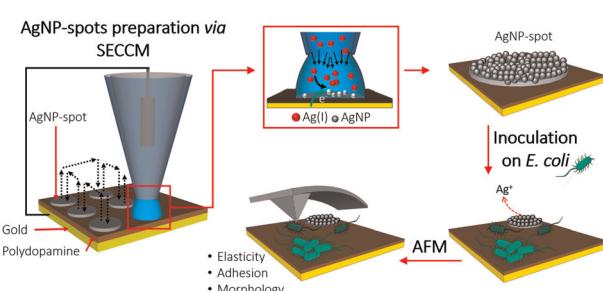
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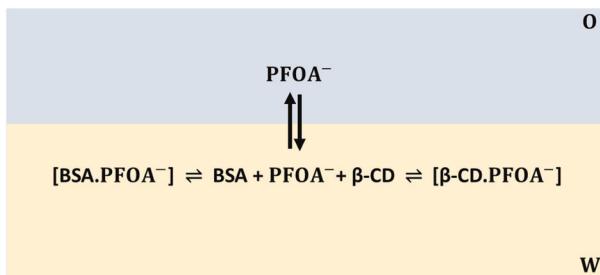
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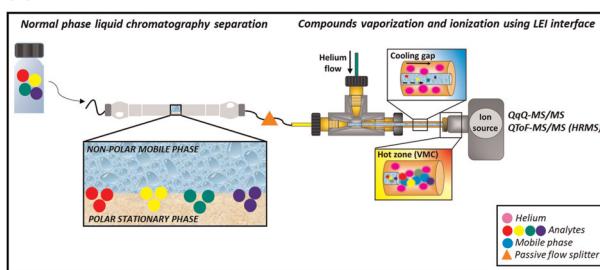
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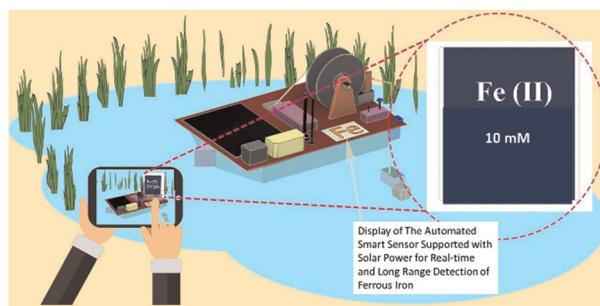
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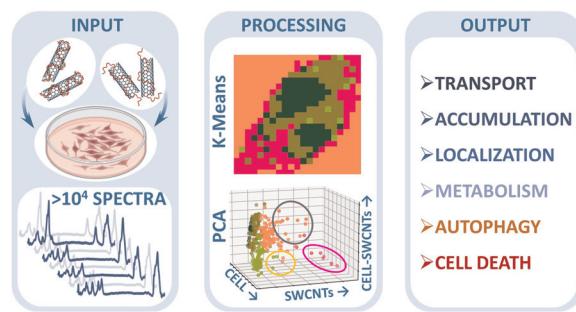


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**Specificity of carbon nanotube accumulation and distribution in cancer cells revealed by K-means clustering and principal component analysis of Raman spectra**

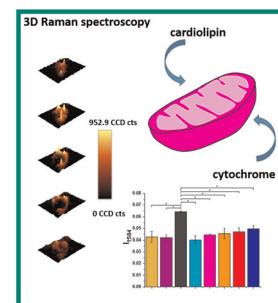
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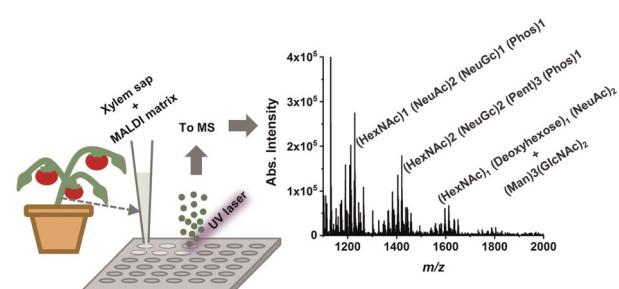
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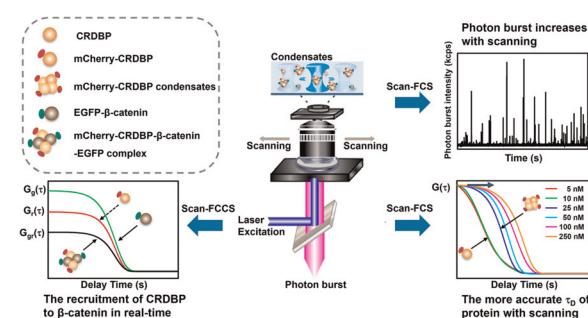
Marjan Dolatmoradi, Zsolt Sándor, Imre Vágó, Daniel A. Lowy, Ákos Vertes\* and Ida Kincses\*



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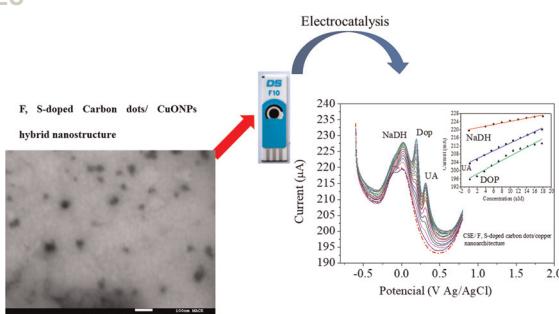
**Objective scanning-based fluorescence cross-correlation spectroscopy (Scan-FCCS) for studying the fusion dynamics of protein phase separation**

Jian Liu, Wenxin Yu, Chaoqing Dong, Xiangyi Huang\* and Jicun Ren\*



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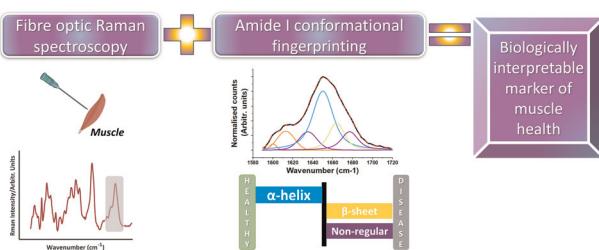
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Octávio P. L. de Souza, Daniel Y. Tiba, Joao H. A. Ferreira, Laura C. Lieb and Thiago C. Canevari\*

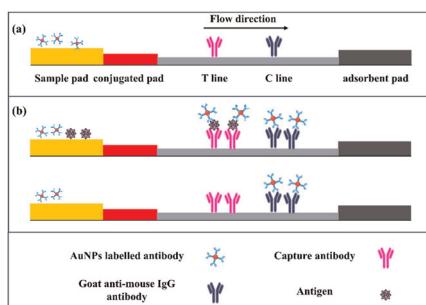
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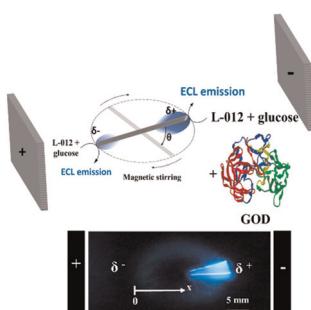
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**Establishment and application of a gold nanoparticle-based immunochromatographic test strip for the detection of avian leukosis virus P27 antigen in egg white samples**

Chunhao Wei, Hua Kuang, Xinxin Xu, Lingling Guo, Aihua Qu, Aihong Wu, Chuanlai Xu\* and Liqiang Liu\*

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**Wireless rotating bipolar electrochemiluminescence for enzymatic detection**

Chunguang Li, Minghui Feng, Dalibor Stanković, Laurent Bouffier, Feifei Zhang,\* Zonghua Wang and Neso Sojic\*

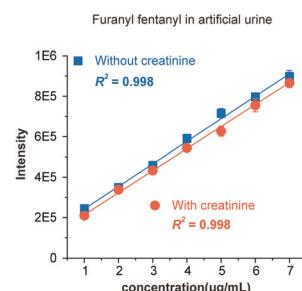
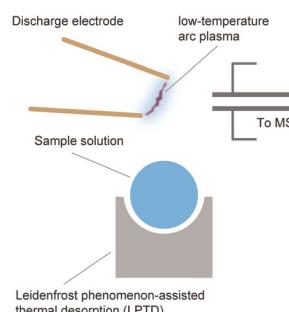


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**Rapid detection of furanyl fentanyl in complex matrices using Leidenfrost desorption-assisted low-temperature arc plasma ionization mass spectrometry**

Wei Zhang, Zhongbao Han, Zhongyu Zhao, Jianjun Shi, Liyan Liu, Dan Wang\* and Zhan Yu\*



## CORRECTION

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**Correction: A label-free and immobilization-free approach for constructing photoelectrochemical nucleic acid sensors utilizing DNA–silver nanoparticle affinity interactions**

Jing Yi, Jiayao Dong, Yawen Zheng, Liu Liu, Ji Zhu and Hongwu Tang\*

