

## IN THIS ISSUE

ISSN 0003-2654 CODEN ANALAO 150(2) 209-438 (2025)



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## EDITORIAL

219

### Electrochemistry and Electroanalytical Approaches

Damien W. M. Arrigan, Karolien De Wael, Jeffrey E. Dick, Thiago Paixão and Yi-Lun Ying

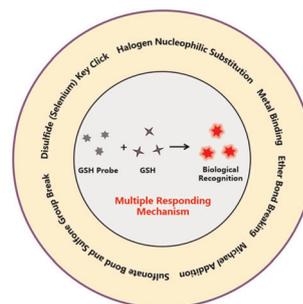


## TUTORIAL REVIEW

220

### Recent advances in glutathione fluorescent probes based on small organic molecules and their bioimaging

Jingdong Wang, Caixia Yin\* and Fangjun Huo\*



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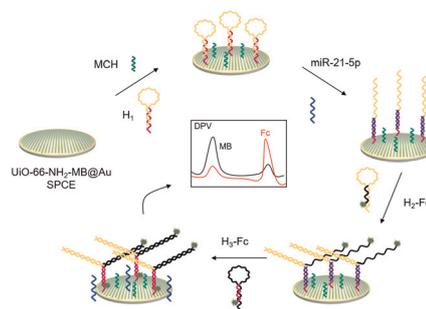
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## PAPERS

240

### Mechanically stabilized UiO-66-NH<sub>2</sub>-MB screen printed carbon electrode for high-performance electrochemical ratiometric quantification of miR-21-5p

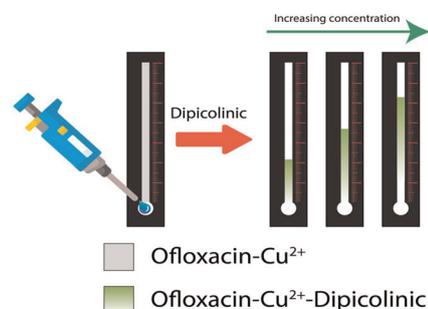
Jianjing Shen, Li Yan, Jun Pang, Zhenyu Chu, Ying Xie, Shan Huang\* and Xiaojun Chen\*



249

### A length-band fluorescence-based paper analytical device for detecting dipicolinic acid *via* ofloxacin complexation with Cu<sup>2+</sup>

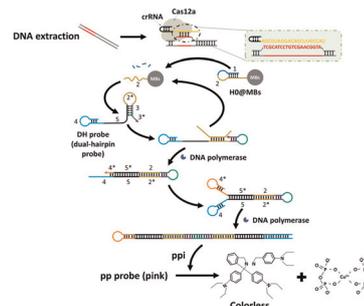
Nguyen Ngoc Nghia, Bui The Huy,\* Nguyen Huu Hieu, Nguyen Thi Kim Phuong and Yong-Ill Lee\*



258

### Cas12a/crRNA recognition initiated self-priming mediated chain extension for colorimetric cell-free DNA (cfDNA) analysis

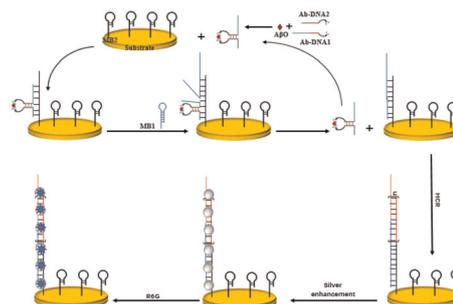
Ming Li, Ting Zheng, Jiaqi Zhu, Hu Zhang and Lijuan Fan\*



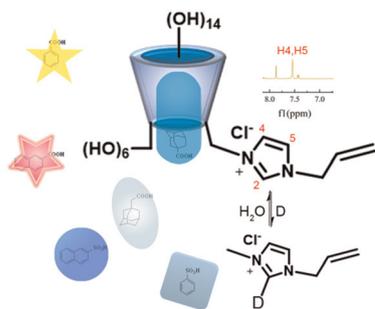
264

### Proximity hybridization-triggered cascade amplification for label-free SERS detection of Alzheimer's amyloid- $\beta$ oligomers

Qisheng Luo, Xin Kang, Chunyuan Zhang, He Zhang, Yongning Huang, Qianli Tang, Xianjiu Liao,\* Fenglei Gao\* and Zhao Liu\*



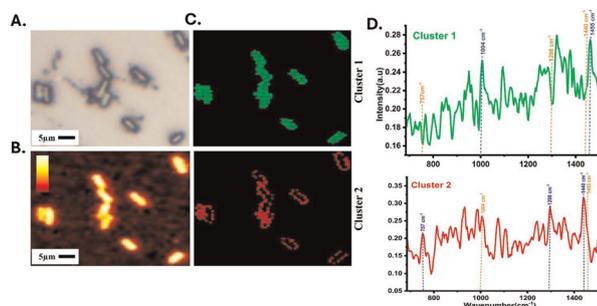
272



### $\beta$ -Cyclodextrin modified imidazole probe specific recognition of organic acids based on nuclear magnetic resonance

Chenglin Zhang, Yanqi Du, Ye Lu, Leyi Wang, Dequan Wang, Qiang Zhang,\* Yong Wang and Yin Xiao\*

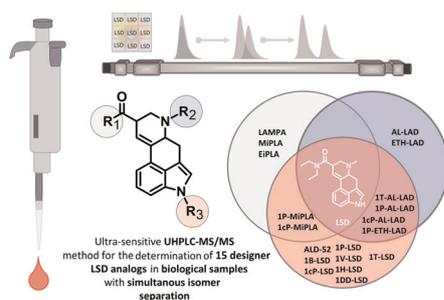
281



### Validating phosphoethanolamine modification as a potential spectral marker of colistin resistance

Dimple Saikia, Cebajel Bhanwarlal Tanan, G. Dhananjaya, Basavraj S. Hungund, Nilkamal Mahanta and Surya P. Singh\*

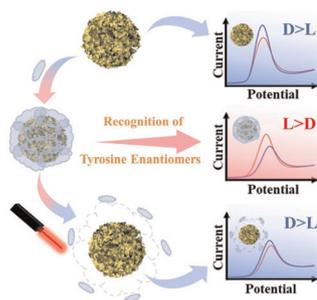
290



### A highly sensitive UHPLC-MS/MS method for determining 15 designer LSD analogs in biological samples with application to stability studies

Olga Wachetko,\* Karolina Nowak, Kaja Tusiewicz, Marcin Zawadzki and Paweł Szpot

309



### Construction of a regulable chiral recognition platform based on the photothermal effect of popcorn-like gold nanoparticles/bovine serum albumin

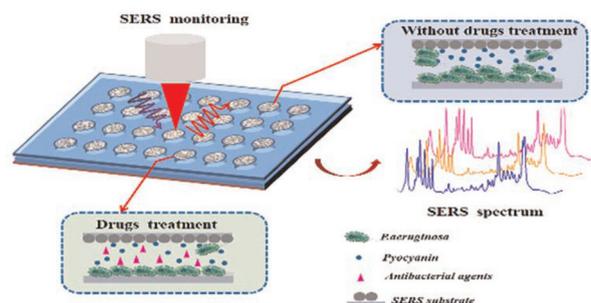
Yujie Wang, Haibo Chen, Peiming Liu, Wenrong Cai, Datong Wu, Junyao Li\* and Yong Kong\*



318

### *In situ* monitoring of quorum sensing signalling molecules using a SERS chip with a micro-chamber array

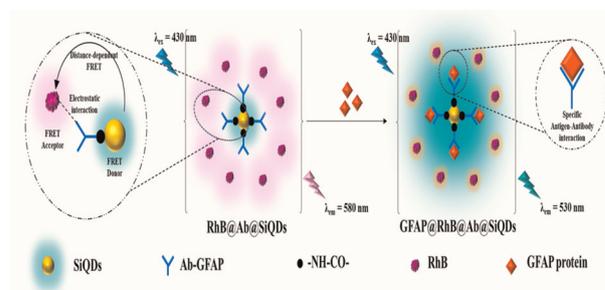
Lulu Liu, Wenrui Ma, Haolan Tan, Chuang Ge,\*  
Bei Zhang, Chunyan Wang, Yang Zhang and Yi Xu\*



329

### Quantum dot-to-dye-based fluorescent ratiometric immunoassay for GFAP: a biomarker for ischaemic stroke and glioblastoma multiforme

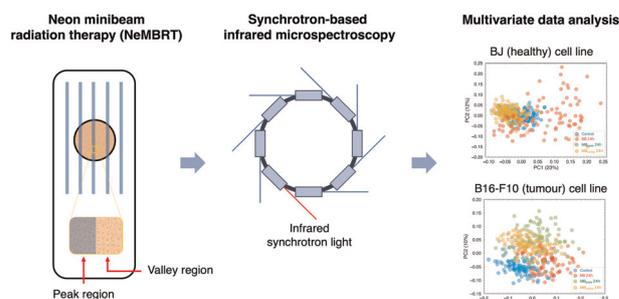
Susan Varghese, Anju S. Madanan, Merin K. Abraham,  
Ali Ibrahim Shkhair, Geneva Indongo,  
Greeshma Rajeevan, B. K. Arathy and Sony George\*



342

### Synchrotron-based infrared microspectroscopy unveils the biomolecular response of healthy and tumour cell lines to neon minibeam radiation therapy

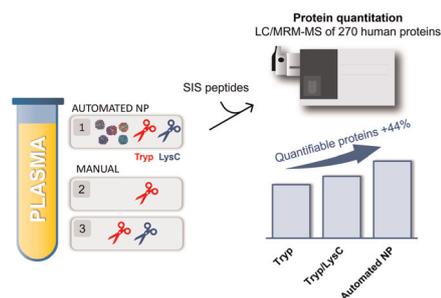
R. González-Vegas, O. Seksek, A. Bertho, J. Bergs,  
R. Hirayama, T. Inaniwa, N. Matsufuji, T. Shimokawa,  
Y. Prezado, I. Yousef and I. Martínez-Rovira\*



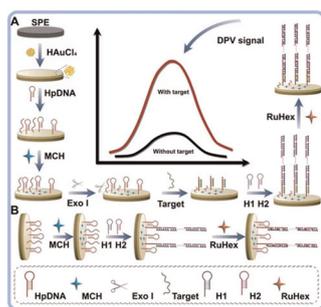
353

### Reproducible protein quantitation of 270 human proteins at increased depth using nanoparticle-based fractionation and multiple reaction monitoring mass spectrometry with stable isotope-labelled internal standards

Claudia Gaitner, Robert Popp, Aaron S. Gajadhar and  
Christoph H. Borchers\*



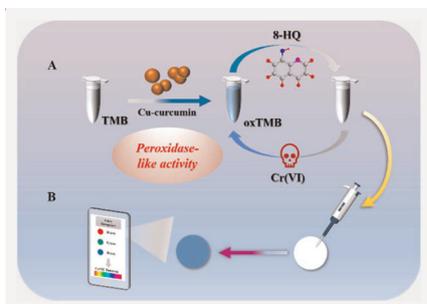
362



### Low background electrochemical sensor based on HCR towards acute myocardial infarction-specific miRNA detection

Yan Liu, Ziqi Liu, Tingxiu Yan, Luyao Feng, Na He, Lu Tao, Li-Ping Xu\* and Xueji Zhang\*

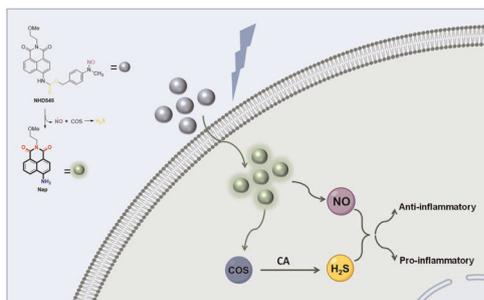
371



### Cu-curcumin nanozyme for detection of Cr(VI) through an off-on strategy based on peroxidase mimicking activity

Ziwei Chai, Aifang Zhou, Jingjing Huang, Lingbo Qu, Jia Ge,\* Lin Zhang\* and Zhaohui Li

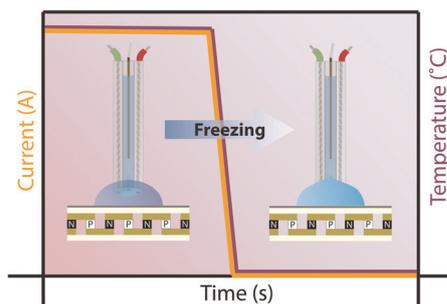
378



### A photo-triggered dual-gas donor of nitric oxide and hydrogen sulfide with fluorescence for real-time monitoring of its release

Afeng Hou, Zhenmei Lin, Yongfang Cheng, Yaoping Tang, Qing Chen, Lingfeng Jiang,\* Li Li\* and Ziqian Zhang\*

386



### Witnessing a discrete microdroplet freezing event via real-time electrochemical monitoring of solution temperature

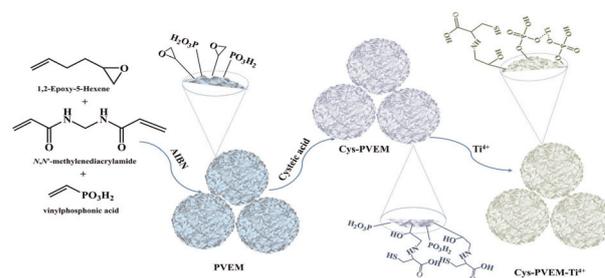
Philip J. Kauffmann, Cristian A. Blanco-Combariza and Jeffrey E. Dick\*



395

### Preparation of a titanium-functionalized polymeric material rich in hydrophilic groups for phosphoproteome and glycoproteome analyses in serum

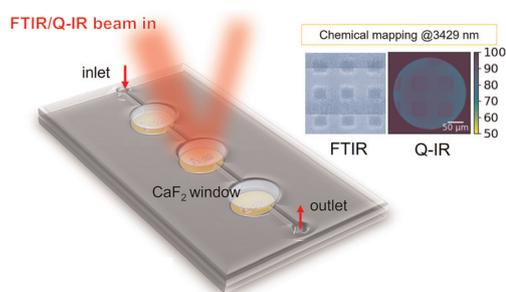
Xiuqin Sheng, Jiakai Chen, Jiahui Shao, Xiaoya Zhang, Bing Wang, Chuan-Fan Ding and Yinghua Yan\*



405

### Infrared imaging with visible light in microfluidic devices: the water absorption barrier

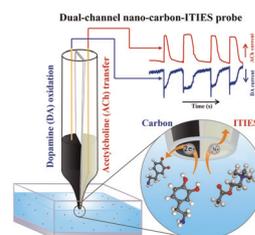
Mona Suryana, Thomas Produit, Hongzhi Yang, Giovanni Birarda, Jegan Vishnuwardhana Shanmugar, Leonid Krivitsky, Anna Paterova and Gianluca Greci\*



414

### Dual-channel nano-carbon-liquid/liquid junction electrodes for multi-modal analysis: redox-active (dopamine) and non-redox-active (acetylcholine)

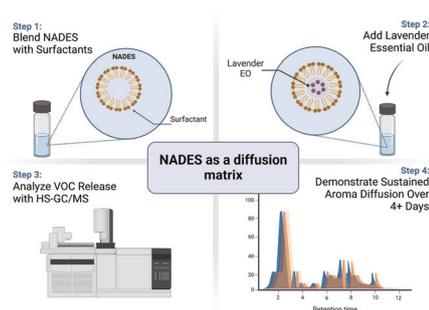
Edappalil Satheesan Anupriya, Ran Chen, Daniel Kalski, Jordynn Palmer and Mei Shen\*



425

### Development of essential oil diffusion matrices using non-ionic surfactants-supported NADES and hydrophobic NADES

Samir Scandar, Natali Rianika Mustafa, Claudia Zadra, Maria Carla Marcotullio\* and Young Hae Choi\*



## EXPRESSION OF CONCERN

435

**Expression of concern: Diamond nanowires modified with poly[3-(pyrrolyl)carboxylic acid] for the immobilization of histidine-tagged peptides**

Palaniappan Subramanian, Ievgen Mazurenko, Vladimir Zaitsev, Yannick Coffinier, Rabah Boukherroub and Sabine Szunerits\*

## CORRECTION

436

**Correction: Recent advances and applications to cultural heritage using ATR-FTIR spectroscopy and ATR-FTIR spectroscopic imaging**

Guan-Lin Liu and Sergei G. Kazarian\*

