

Analytical Methods

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Cover

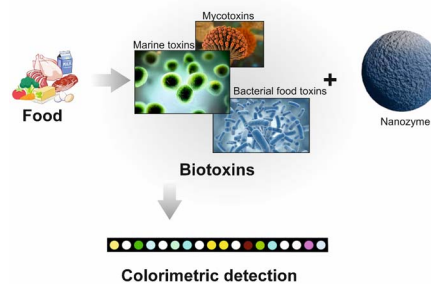
See Nélio Inácio Gravata Inoque and Rodrigo Alejandro Abarza Muñoz, pp. 6793–6801. Image reproduced by permission of Rodrigo Alejandro Abarza Muñoz from *Anal. Methods*, 2024, **16**, 6793. Image generated with Adobe Firefly.

CRITICAL REVIEW

6771

Current trends in colorimetric biosensors using nanozymes for detecting biotoxins (bacterial food toxins, mycotoxins, and marine toxins)

Li Feng,* Mingcheng Zhang and Zhiyi Fan

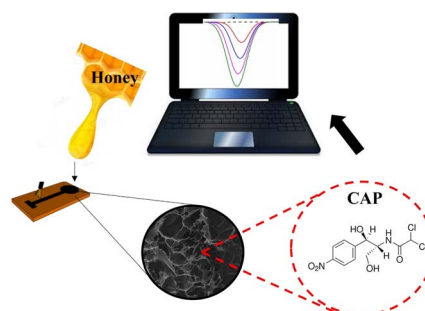


PAPERS

6793

Electrochemistry of chloramphenicol on laser-induced graphene electrodes and its voltammetric determination in honey

Nélio Inácio Gravata Inoque and Rodrigo Alejandro Abarza Muñoz*



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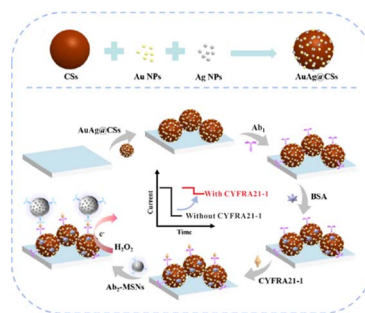
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High-performance electrochemical immunosensor based on bimetallic gold/silver functionalized carbon spheres for CYFRA 21-1 detection and information protection

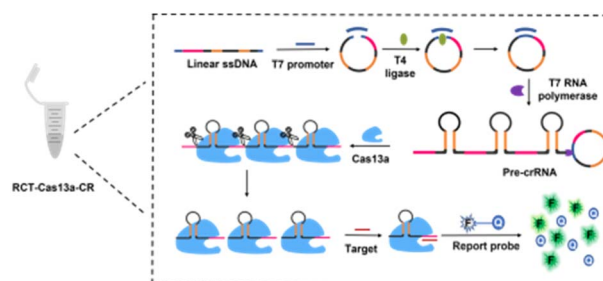
Lin Sheng Wang, Yu Jian Guo, Yu Hao Li, Yong Sen Zhao, Qin Wei and Zhong Feng Gao*



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T7 RNA polymerase-mediated rolling circle transcription and the CRISPR-Cas13a cascade reaction for sensitive and specific detection of piRNA

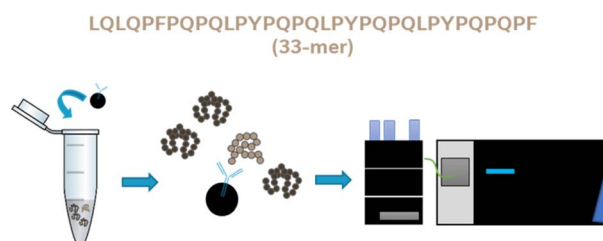
Yuhao Dou, Yangui He, He Zhang,* Mei Yang, Qiong Liu, Wenjie Ma,* Xin Fu* and Yong Chen



6819

Detection of gluten peptides in human duodenal fluids with immuno-liquid chromatography-mass spectrometry

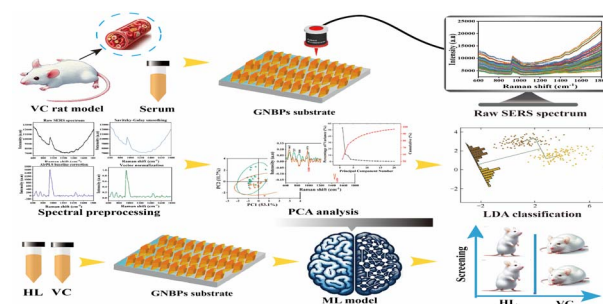
Loïc Dayon,* Antonio Núñez Galindo, Julien Chevalier, Michèl Aquarius, Britt Otten, Freddy J. Troost, Peter Duncan and Michael Affolter



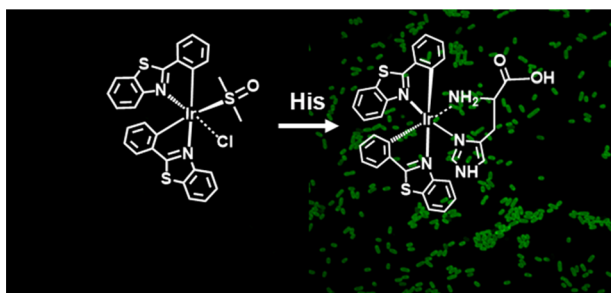
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A machine learning-driven SERS platform for precise detection and analysis of vascular calcification

Wei Li, Zhilian You, Dawei Cao and Naifeng Liu*



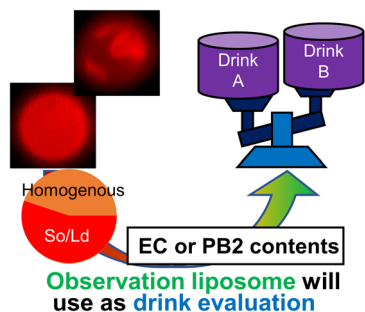
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A DMSO-assisted iridium(III) complex as a luminescent “turn-on” sensor for selective detection of L-histidine and bacterial imaging

Xiaojuan Li, Tianqian Jia, Yueyan Wang, Yanyan Zhang, Du Yang, Sicheng Zhai and Shuming Li*

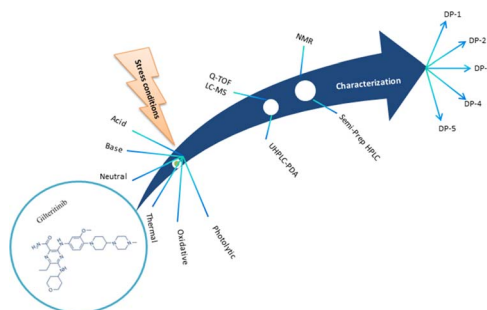
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Assessment of beverage quality for ethyl caproate and procyanidin B2 utilizing binary liposomes

Tsuyoshi Yoda*

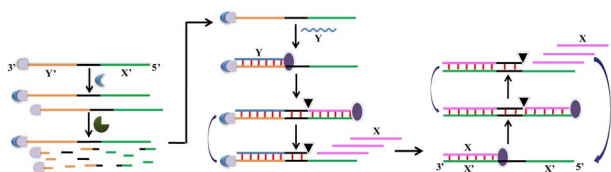
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Liquid chromatography and mass spectrometric studies of gilteritinib fumarate and characterization of its major degradation products by NMR

Bhuvaneshwari Vuyyala, Krishna Prasad Pisini and Debasish Swain*

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An ultrasensitive terminal protection-based real-time fluorescence approach for protein detection via an isothermal exponential amplification reaction

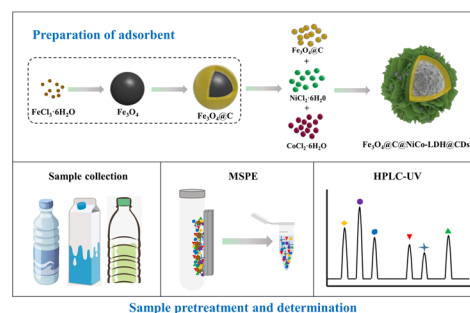
Yajing Zhang, Mengqi Wang, Yanrui Xie, Jiangyan Zhang, Yongqiang Cheng, Yucong Wang* and Hongxia Jia*



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Preparation and evaluation of $\text{Fe}_3\text{O}_4@\text{C}@\text{NiCo-LDH}@\text{CDs}$ composites for magnetic solid-phase extraction of trace endocrine disruptors

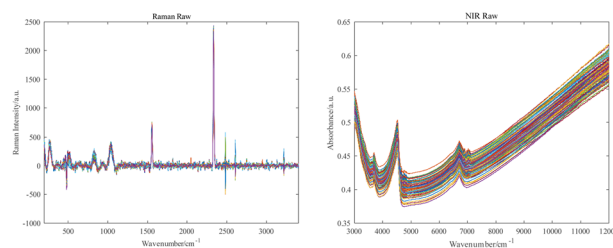
Honglin Qin, Ruozhu Xu, Lizhen Qiao,* Xupeng Zhai, Peixin Guo, Chen Li and Bingyan Han*



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Exploring soil multi-parameter stacking measurement through Raman and NIR dual-spectroscopy

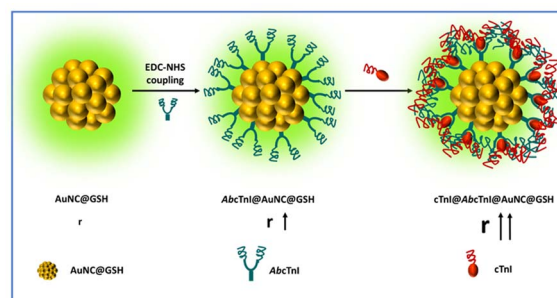
Qiong Sang, Xiaoyu Zhao,* Yue Zhao, Lijing Cai, Jinming Liu, Liang Tong and Zhe Zhai*



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Fluorescence anisotropic probe for sensing cardiac troponin-I antigen through target-specific antibody-conjugated gold nanoclusters

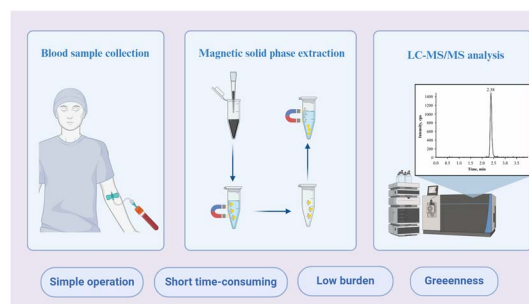
Anju S. Madanan, Susan Varghese, Merin K. Abraham, Ali Ibrahim Shkhair, Greeshma Rajeevan, Geneva Indongo, B. K. Arathy and Sony George*



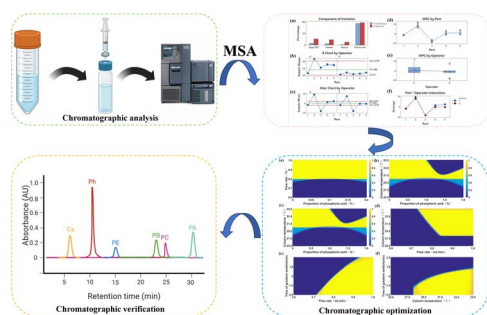
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Magnetic solid-phase extraction coupled with LC-MS/MS methods for the simple extraction and rapid determination of sugammadex in human plasma

Yanan Wang, Yinyin Qu, Yi Jiang, Zhuo Li, Xiaofei Hou, Li Yang, Libo Zhao, Xin Xiong* and Mao Xu*



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Multivariate HPLC system assessment and optimization for traditional Chinese medicine: a case study of *Gastrodia elata*

Qilin Xu, Xinyi Huo, Xianggang Yin, XiaoHan Zhao, Meixu Chen, Linlin Wu* and Yifeng Zhou*

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Correction: Selective fluorescence detection of acetylsalicylic acid, succinic acid and ascorbic acid based on a responsive lanthanide metal fluorescent coordination polymer

Guo-Ying Chen, Mao-Ling Luo, Li Chen, Jia-Li Wang, Tong-Qing Chai, Dan Wang* and Feng-Qing Yang*

