

Analytical Methods

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IN THIS ISSUE

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Cover

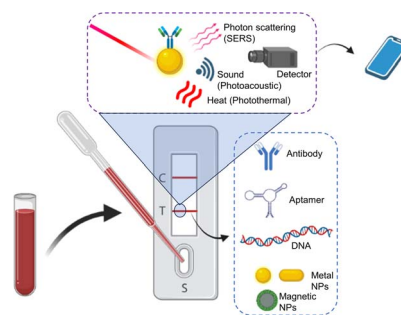
See Min Shen *et al.*,
pp. 4434–4441. Image
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Methods, 2023, 15, 4434.

CRITICAL REVIEWS

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New technologies and reagents in lateral flow assay (LFA) designs for enhancing accuracy and sensitivity

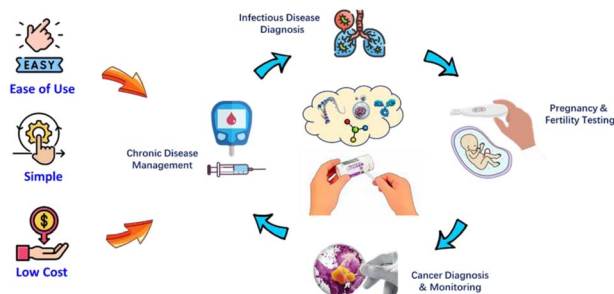
Mohan Kumar Dey, Maria Iftesum, Ram Devireddy and Manas Ranjan Gartia*



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Paper-based colorimetric sensors for point-of-care testing

Anthony Ko and Caizhi Liao*



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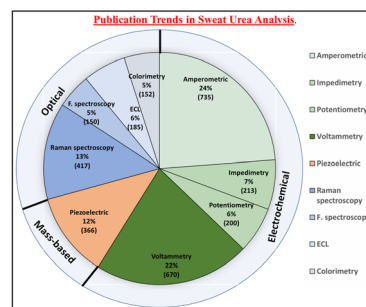


CRITICAL REVIEWS

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Sweat analysis for urea sensing: trends and challenges

Abhishek Futane, Mallika Senthil, Jayashree S, Arthi Srinivasan, Kalpana R and Vigneswaran Narayanamurthy*

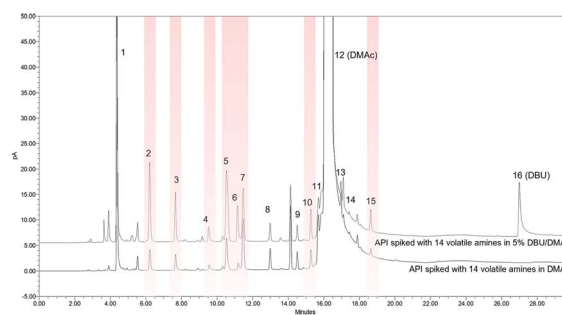


COMMUNICATION

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A simple and universal headspace GC-FID method for accurate quantitation of volatile amines in pharmaceuticals

Congchao You, Tien Ho, Victor Rucker, Jerry Yeh and Lin Wang*

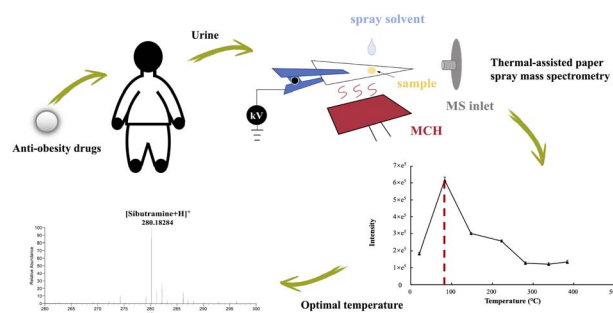


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Analysis of 15 anti-obesity drugs in urine using thermal-assisted paper spray mass spectrometry

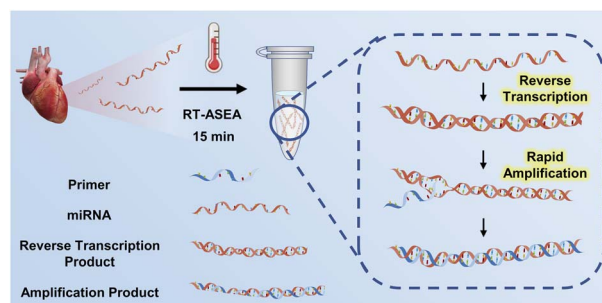
Shijia Jiang, Junbo Zhao, Hui Yan, Ping Xiang and Min Shen*



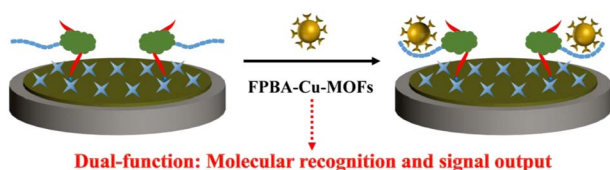
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Rapid diagnosis of acute myocardial infarction based on reverse transcription-accelerated strand exchange amplification of miR-208a

Ying Zhao, Linlin Zhuang, Peilong Tian, Ming Ma,* Guoqiu Wu* and Yu Zhang*



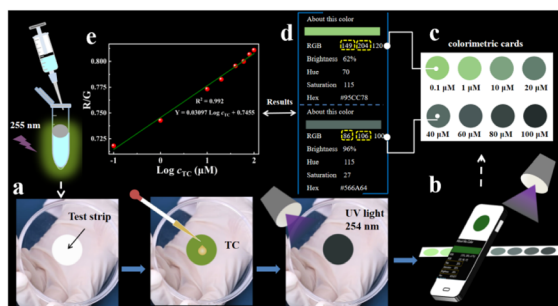
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Electrochemical detection of glycoproteins using boronic acid-modified metal–organic frameworks as dual-functional signal reporters

Yong Chang, Yixuan Chen, Mian Wu, Lin Liu* and Qijun Song*

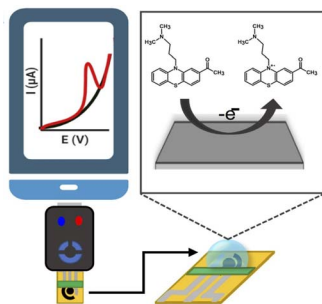
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A portable test strip fabricated of luminescent lanthanide-functionalized metal–organic frameworks for rapid and visual detection of tetracycline antibiotics

Tingxia Li, Zhongxiu Chen, Zhongshuai Zhao and Zhongde Liu*

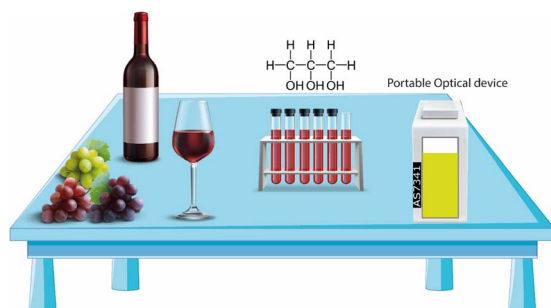
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A highly efficient and portable laser-scribed graphene-based electrochemical system for forensic-oriented determination of acepromazine

Lucas F. de Lima and William R. de Araujo*

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Development of a portable optical device with a multi-channel spectrometer sensor for quantification of glycerol in wine: a maker approach for on-site analysis

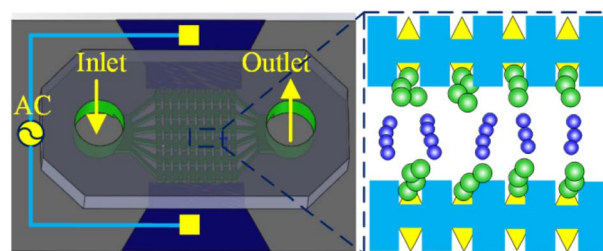
Alegre N. S. Cadeado and Sidnei G. Silva*



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Dielectrophoretic assembly and separation of particles and cells in continuous flow

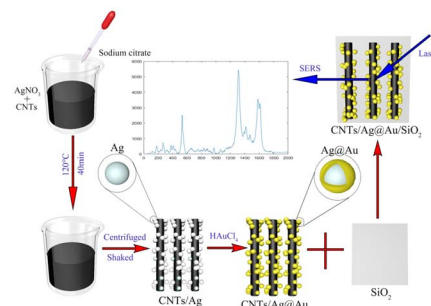
Xiaoming Chen,^{*} Shun Liu, Mo Shen, Ziwei Gao, Sheng Hu and Yong Zhao^{*}



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Research on a three-dimensional SERS substrate based on a CNTs/Ag@Au/SiO₂ composite for detection of fipronil and imidacloprid pesticides

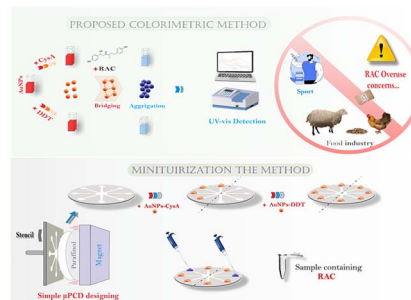
Chao Sun, Lizheng Wang, Naiyu Guo, Runze Hu, Li Ye, Zhiming Hu and Jianjun Ding^{*}



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Multifunctional one-droplet microfluidic chemosensing of ractopamine in real samples: a user-oriented flexible nano-architecture for on-site food and pharmaceutical analysis using optical sensors

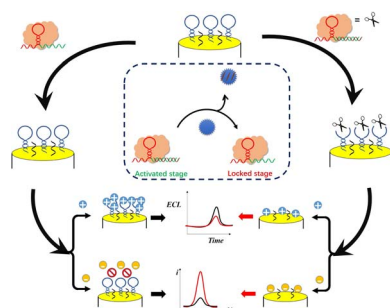
Hossein Navay Baghban and Mohammad Hasanzadeh^{*}



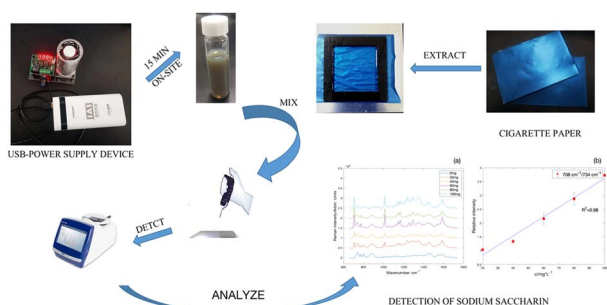
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Label-free dual-mode sensing platform based on target-regulated CRISPR–Cas12a activity for ochratoxin A in *Morinda officinalis*

Huifeng Xu,^{*} Rui Pan, Weihua Huang and Xi Zhu^{*}



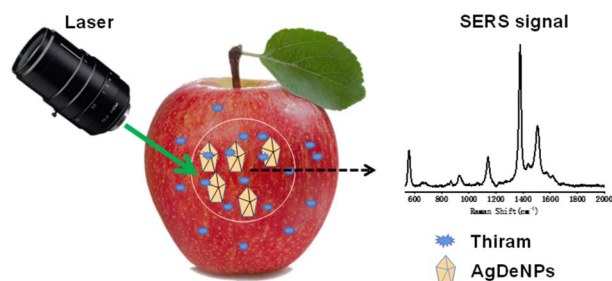
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SERS determination of sodium saccharin content on the tipping paper of cigarettes using AgNP substrates prepared with a USB-power supply device

Huipeng Deng, Zakir H. Talpur, Kaijun Wang, Yan Kang, Yiping Du,* Dongmei Xu, Xinglong Fan and Wei Li*

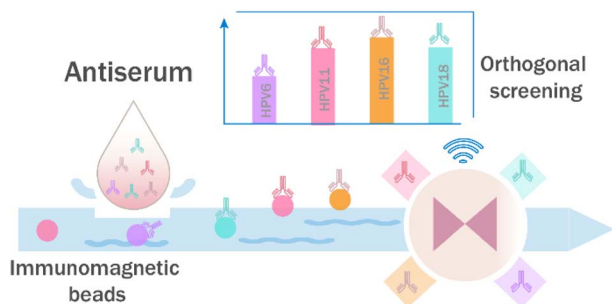
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Silver decahedral nanoparticles with uniform and adjustable sizes for surface-enhanced Raman scattering-based thiram residue detection

Hongda Sun, Yu Tian,* Jinping Wei, Wenli Wei, Zhichao Zhang, Shuang Han* and Wenxin Niu*

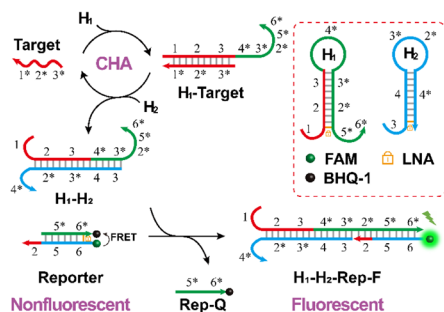
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Screening and detection of multivalent human papillomavirus antibodies using a high-throughput liquid chip fluoroimmunoassay system

Hong Wang, Rong Hu, Qiao Huang, Haijiang Zhang, En Zhang* and Huijie Yang*

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A rapid and highly sensitive ctDNA detection platform based on locked nucleic acid-assisted catalytic hairpin assembly circuits

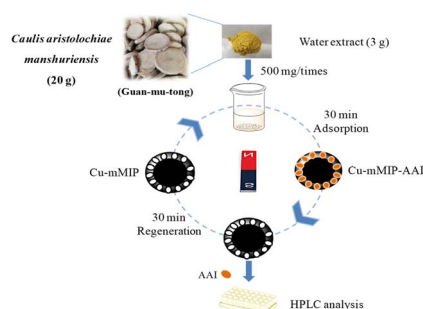
Kaiyue Tan, Longsheng Chen, Donglin Cao, Wei Xiao, Qian Lv and Lili Zou*



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Efficient separation of aristolochic acid I from *Caulis aristolochiae manshuriensis* (Guan-mu-tong) with copper mediated magnetic molecularly imprinted polymer

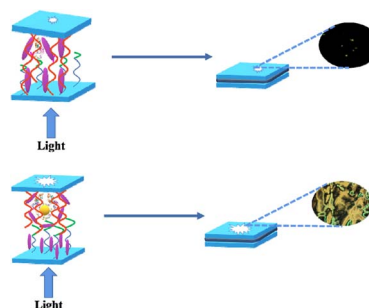
Yu Cao, Haizhu Shi, Zhuo Lan, Kunlin He, Qian Chen, Chungu Zhang, Shun Feng* and Lianhai Shan*



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Construction of a liquid crystal biosensor based on Fe₃O₄ nano-signal amplification and its application in HCG detection

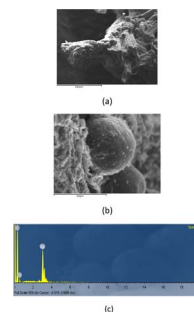
Xue Wang,* Yingying Sun, Zhe Liu, Weiwei Chen, Tingting Meng and Huanyuan Wang*



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Preparation of a glassy carbon electrode modified with saffron conjugated silver nanoparticles for the sensitive and selective electroanalytical determination of amoxicillin in urine samples

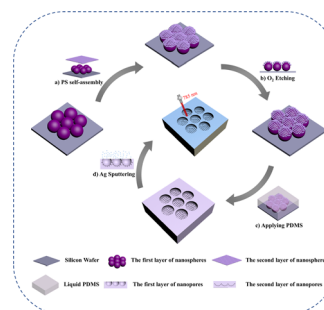
Christina Sarakatsanou, Sophia Karastogianni* and Stella Girousi*



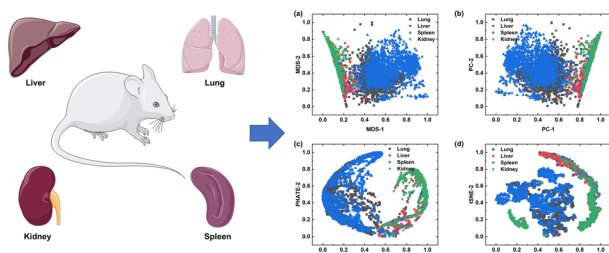
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Casting liquid PDMS on self-assembled bilayer polystyrene nanospheres to prepare a SERS substrate with two layers of nanopits for detection of *p*-nitrophenol

Xiurui Ke, Jinran Chen, Lin Chang, Zhou Zhou and Wei Zhang*



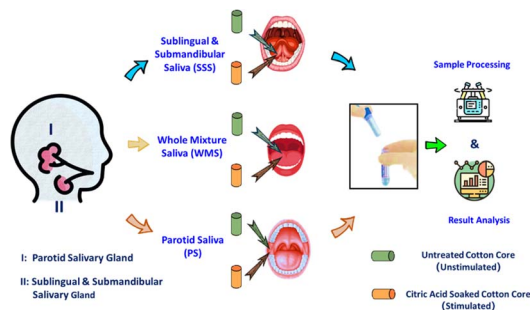
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Visualization of laser-induced breakdown spectroscopy data of mouse organs based on the feature extraction method

Weiliang Wang, Zhenlin Hu, Feng Chen, Deng Zhang, Yanwu Chu* and Lianbo Guo

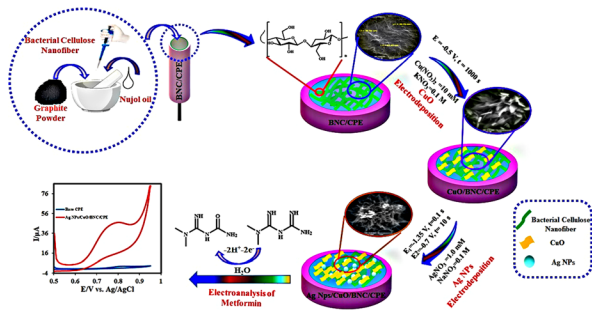
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Saliva sampling strategies affecting the salivary glucose measurement

Xia Qian, Anthony Ko, Haifeng Li and Caizhi Liao*

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Electrochemical determination of metformin via a carbon paste electrode modified with an Ag NPs/Cu₂O/CuO-decorated bacterial nanocellulose composite

S. Zamani, Kh. Ghanbari* and S. Bonyadi

CORRECTION

4615

Correction: General method for detecting acrylamide in foods and comprehensive survey of acrylamide in foods sold in Southeast China

Yanping Li, Yuxiang Li, Hongjing Chen, Wenting Zhang and Yan Yang*

