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Cover

See Laura Hendriks *et al.*, pp. 7140–7147. Image reproduced by permission of Laura Hendriks and Abegg-Stiftung CH-3132 Riggisberg, from *Anal. Methods*, 2025, 17, 7140.

PAPERS

7140

Identification of brazilein type B as a key marker for the presence of brazilwood in colored historical objects

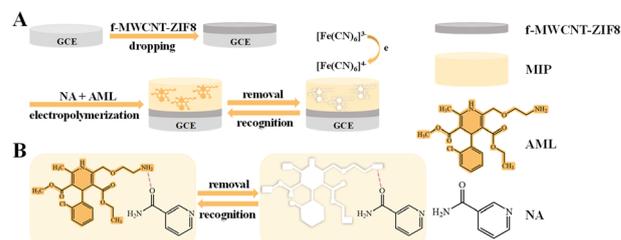
Laura Hendriks,* Rémi Martinent, Céline Spack, Gaëlle Bourgnon, Agnieszka Woś Jucker and Cyril Portmann



7148

A molecularly imprinted electrochemical sensor based on functionalized multi-walled carbon nanotubes and zeolitic imidazolate framework-8 for determination of amlodipine

Xuyuan Sun, Ying Wang, Zhengyuan Dai, Li Li* and Yaping Ding*



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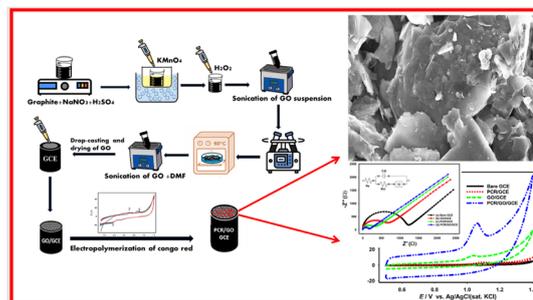
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Fundamental questions
Elemental answers

7156

Electropolymerized poly(Congo red) on graphene oxide: a novel platform for electrochemical sensing of acyclovir

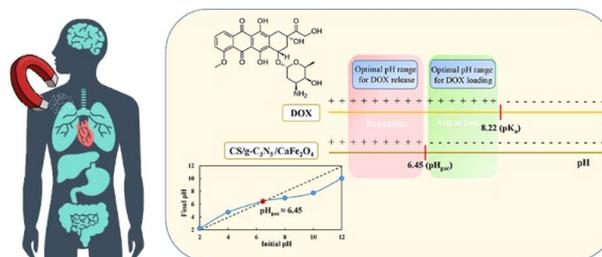
Çağrı Ceylan Koçak and Şükriye Karabiberöglü*



7167

Synthesis of a chitosan/g-C₃N₅/ferrite carrier and evaluation of its performance in the loading and controlled release of doxorubicin: optimization of the process by RSM

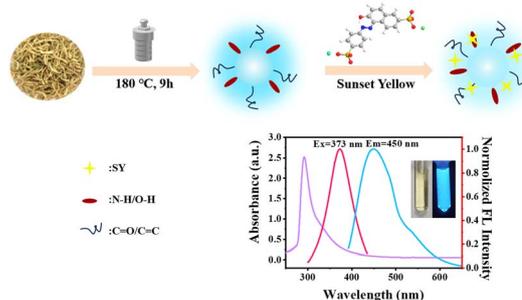
Arash Nejhad Varmazyar, Elnaz Ghasemi,* Ali Mehrizad,* Parvin Gharbani and Mirzaagha Babazadeh



7178

Honeysuckle-derived carbon dots as fluorescent nanoprobes for determination of sunset yellow and cell imaging

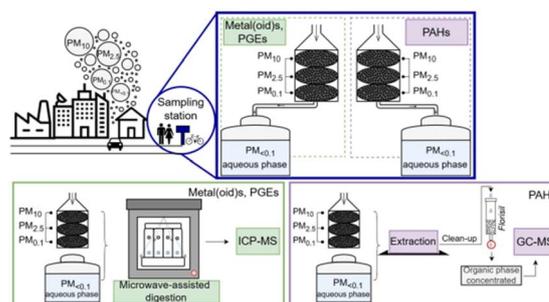
Lina Yu, Xue Cao, Xiaoqi Wang, Lili Yuan, Xin Chen, Caiyun Wang, Congying Shao* and Shun Lu*



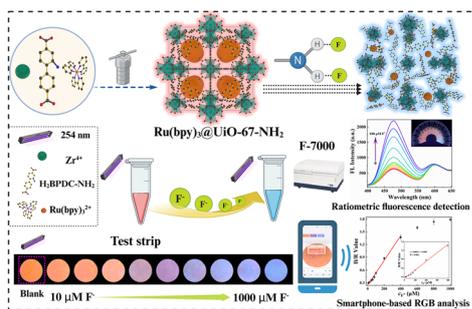
7184

An innovative sampling device for size-fractionating airborne particulate matter for improved air pollution control of metal(oid)s and polycyclic aromatic hydrocarbons

Anja Ilenič, Radmila Milačić Ščančar, Marija Đurić, Alenka Mauko Pranjić and Janez Ščančar*



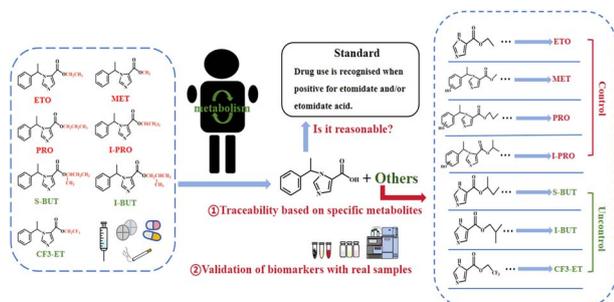
7200



Ratiometric fluorescence and a smartphone platform for the visual detection of fluoride ions using $[\text{Ru}(\text{bpy})_3]^{2+}$ -encapsulated Zr-based metal-organic frameworks

Linglong Li, Duanqin Zhou, Lifei Zou and Zhongde Liu*

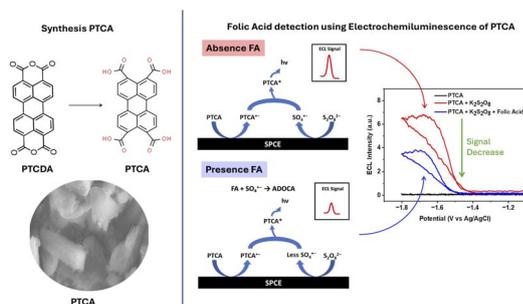
7207



Traceability of etomidate and its analogs in biological samples using "specific" metabolites

Song Bai, Zhenhua Qian, Yuemeng Chen,* Shan Liu,* Fang Wang* and Fachao Liu

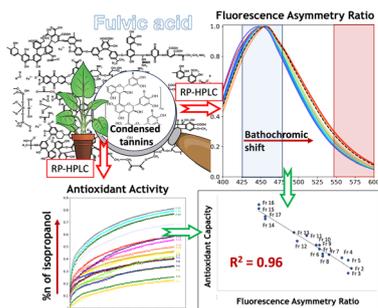
7217



A folic acid mini sensor based on the electrochemiluminescence of perylene tetracarboxylic acid on screen-printed carbon electrodes

Almeira A. Luthfianty, Afiten R. Sanjaya, Tuti Wukirsari, Andrea Fiorani, Yasuaki Einaga, Isnaini Rahmawati* and Tribidasari A. Ivandini*

7225



The fluorescence asymmetry ratio as an optical index of antioxidant activity of RP-HPLC fractions of fulvic acids

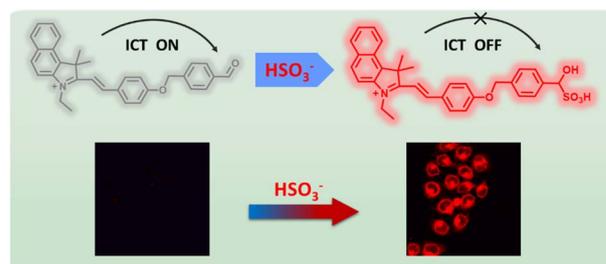
Anna N. Khreptugova,* Danila M. Gorbunov, Dmitry S. Volkov and Irina V. Perminova



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A fluorescent probe for detecting and imaging sulfur dioxide derivatives *in vitro* and *in vivo*

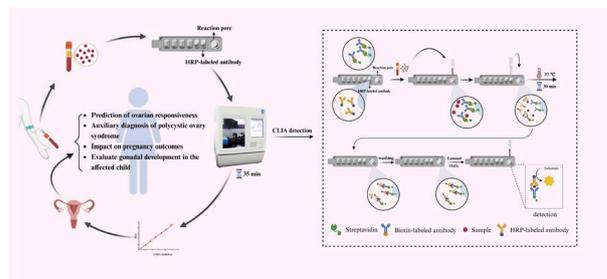
Yuxiao Wu and Yan Huang*



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High-efficiency chemiluminescent POCT assay for anti-Müllerian hormone: innovative development and application in polycystic ovary syndrome diagnosis

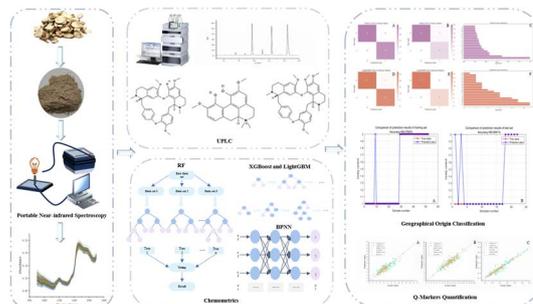
Yang Sun, Yun-yun Zhang, Xiao-tong Liu, Chao-lin Guo, Meng Liu, Hua Li, Pei Zhou, Yin-biao Xu, Yu-peng Liu* and Zhong-hu Bai*



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Portable NIR spectroscopy for on-site origin discrimination and alkaloid quantification in *Stephania tetrandra* roots

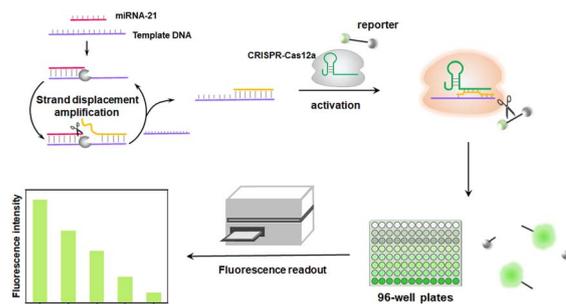
Yinglian Yang, Yao Zhang, Shamukaer Alimujiang, Zhiqi Guan, Yazhong Zhang* and Wenlong Li*



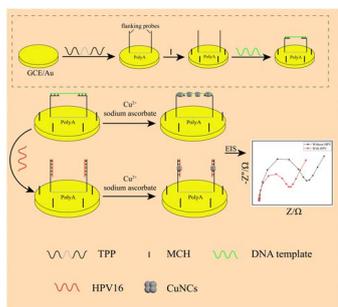
7266

CRISPR-SDA: an integrated isothermal amplification and CRISPR-Cas12a biosensing platform for sensitive detection of microRNA-21

Tian Li,* Yun Wang, Xin Zhang, Zimu Wu and Liping Zhang*



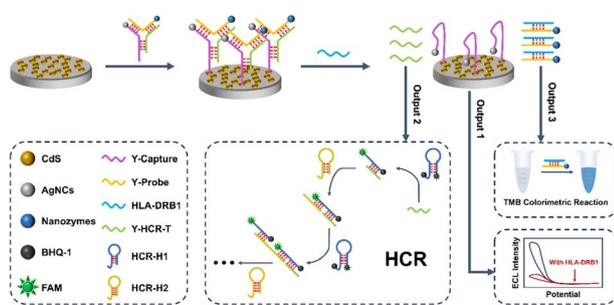
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An electrochemical sensor based on a triblock polyadenine-based probe and copper nanoclusters for the robust detection of the HPV16 gene

Yan Tan, Zhipeng Wang, Haowen Yin and Peng Yu*

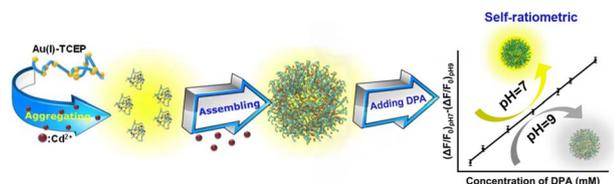
7280



Triple signal biosensing platform for ultrasensitive and wide-range detection of HLA gene targets

Li Ma, Liqin Qi, Sujie Ke, Feihui Zeng, Deying Liu, Xiaoying Liu, Lijing Wang* and Libin Liu*

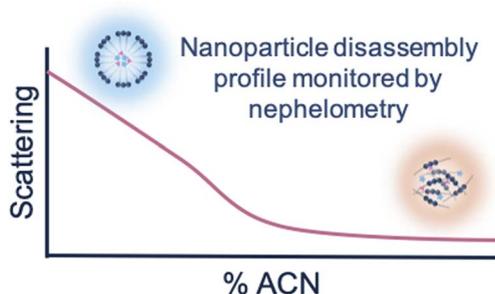
7287



pH-gated bidirectional nanoassembly switches: self-ratiometric D-penicillamine sensing via AIE-active Au(I)-TCEP-Cd(II) coordination dynamics

Kunyang Li, Yelan Xiao, Yafang Sun, Zhi He, Jiarong Tian, Lei Su, Xueji Zhang and Tong Shu*

7295



Nephelometry as a simple tool to monitor the disassembly of polymeric nanoparticles

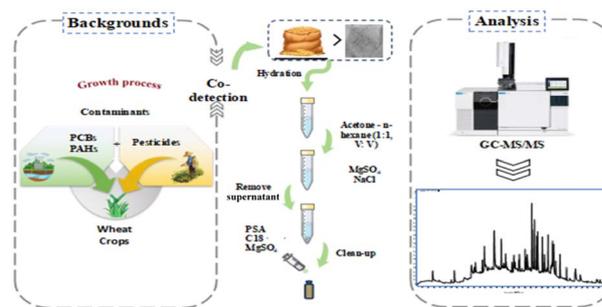
Joshka Verduin, Niki Simaiaki, Freek Ariese and Govert W. Somsen*



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A modified QuEChERS method for simultaneous determination of 73 pesticides, 23 PCBs and 16 PAHs in wheat by GC-MS/MS

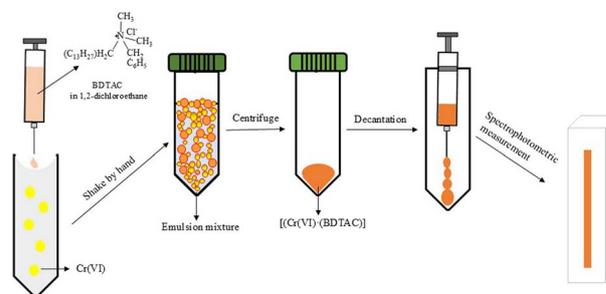
Mengmeng Yan, Yujie Xie, Mengjie Shi, Xingqiang Wu, Kaixuan Tong, Qiaoying Chang* and Hui Chen*



7313

Liquid-phase microextraction method for the separation of hexavalent and total chromium in environmental water samples with spectrophotometric detection

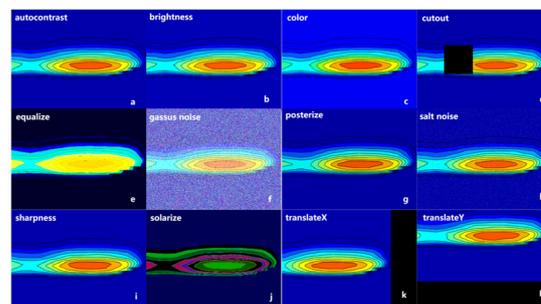
Zekeriyya Bahadır* and Demet Tasmacıoğlu



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Analysis of paper types based on three dimensional fluorescence spectroscopy combined with Resnet34

Yinni Lv, Xin Lin, Peng Wang and Hongda Li*



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A novel label-free NIR aptasensor based on triphenylmethane dyes for rapid detection of salicylic acid

Lingli Bu, Xinxin Li, Junhao Hu, Mengyao Liang, Luyao Li* and Teck-Peng Loh*

