

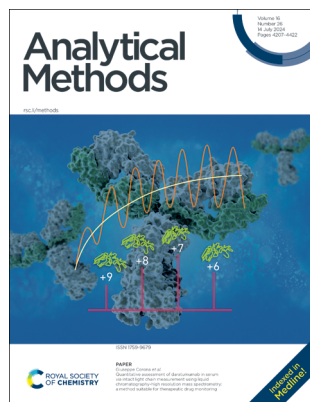
Analytical Methods

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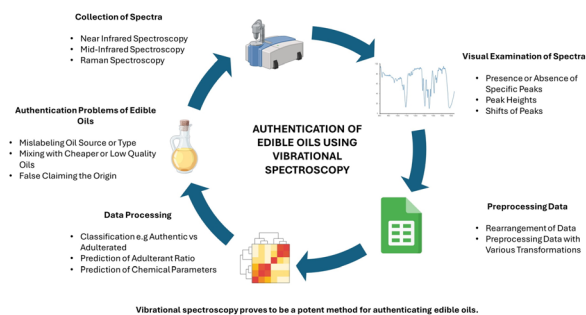
See Giuseppe Corona *et al.*, pp. 4240–4246. Image reproduced by permission of Giuseppe Corona from *Anal. Methods*, 2024, 16, 4240.

CRITICAL REVIEW

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Trends in authentication of edible oils using vibrational spectroscopic techniques

Banu Ozen,* Cagri Cavdaroglu and Figen Tokatli

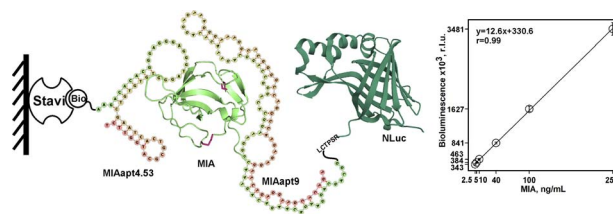


COMMUNICATION

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Bioluminescent aptamer-based microassay for detection of melanoma inhibitory activity protein (MIA)

Eugenia E. Bashmakova,* Alexander N. Kudryavtsev, Alexey E. Tupikin, Marsel R. Kabilov, Aleksey E. Sokolov and Ludmila A. Frank



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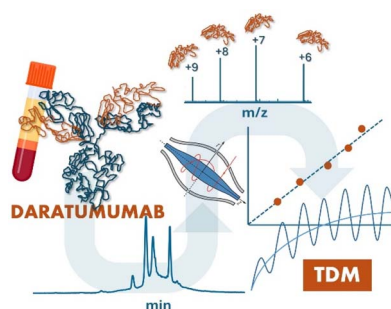
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Fundamental questions
Elemental answers

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Quantitative assessment of daratumumab in serum *via* intact light chain measurement using liquid chromatography-high resolution mass spectrometry: a method suitable for therapeutic drug monitoring

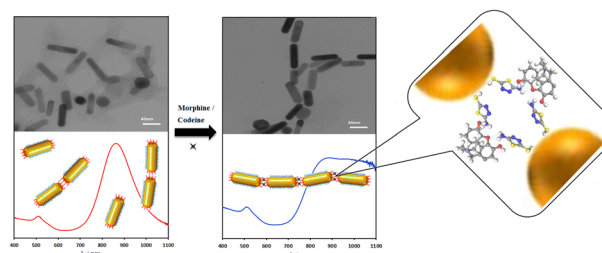
Giovanni Canil, Gianmaria Miolo, Mariapaola Simula, Maurizio Rupolo, Agostino Steffan and Giuseppe Corona*



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A near-infrared plasmonic biosensor for detection of morphine and codeine in biological samples based on the end-to-end assembly of modified gold nanorods

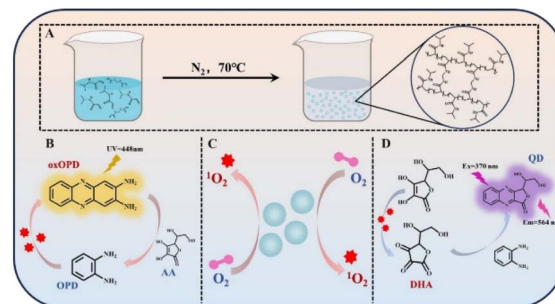
Naimeh Mohseni and Morteza Bahram*



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The preparation and dual-mode detection of ascorbic acid based on poly(*N*-isopropylacrylamide) nanogel with oxidase-like activity

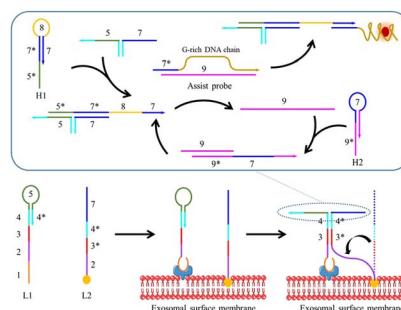
Yuhan Zhang, Qinze Liu,* Qian Lu,* Zhi-zhou Yang, Sheng Gao and Xian Zhang*



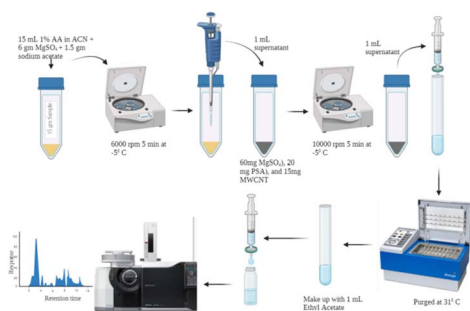
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A proximity ligation hybridization triggered structure-switching based signal amplification strategy for sensitive and accurate exosome detection

Wendi Yang, Jing Yang, Na Zhou* and Yali Wang*



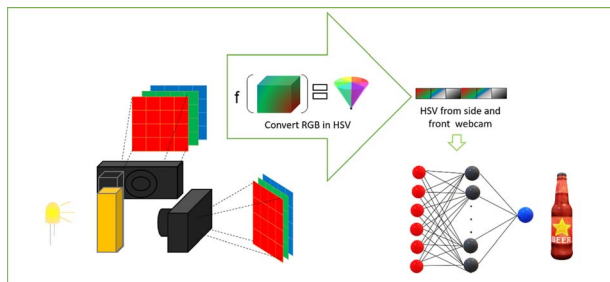
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Multivariate optimization and validation of 200 pesticide residues in the banana matrix by GC-MS/MS

Tushar Rajaram Ahire, Rupal Rajesh Thasale, Ankita Das, Nikhil Pradip Kulkarni, Dhyan Mineshkumar Vyas and Sivaperumal Perumal*

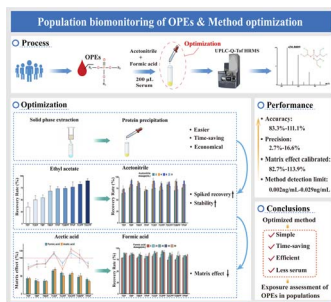
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Computer vision with artificial intelligence for a fast, low-cost, eco-friendly and accurate prediction of beer styles and brands

João Victor de Sousa Dutra, Maiara Oliveira Salles, Ricardo Cunha Michel and Daniella Lopez Vale*

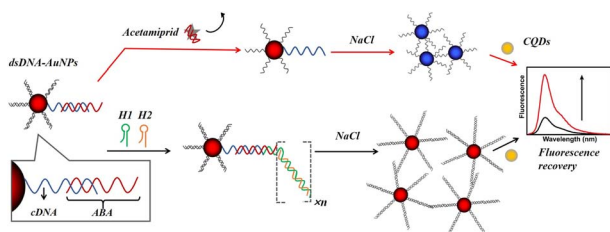
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Organophosphate esters in human serum: a relatively simple and efficient liquid chromatography-mass spectrometry method

Zhiyuan Du, Xiaoyi Wei, Xiaohua Hu, Yijing Zhao, Guanghua Chen, Xiushuai Du, Jialing Li,* Ming Zhan* and Weiwei Zheng*

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Enhanced detection of acetamiprid via a gold nanoparticle-based colorimetric aptasensor integrated with a hybridization chain reaction

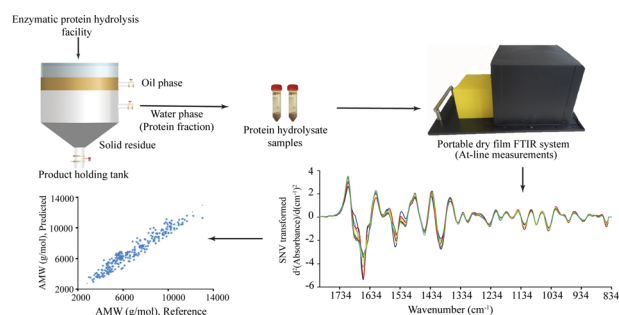
Xingyi Liu, Mingming Li, Hao Wang and Limin Yang*



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A portable dry film FTIR instrument for industrial food and bioprocess applications

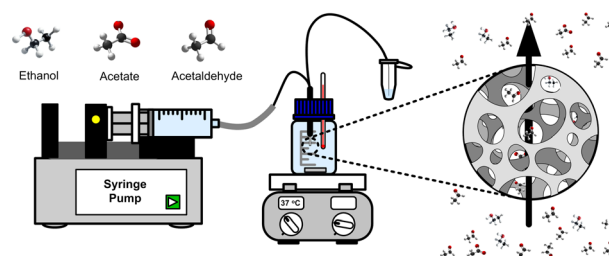
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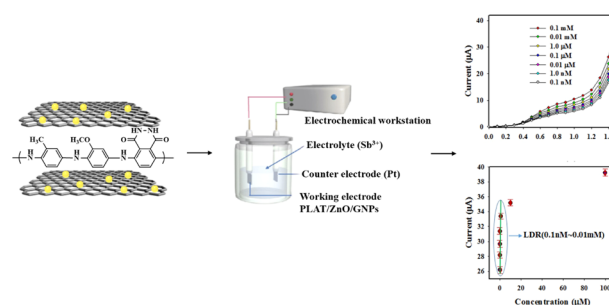
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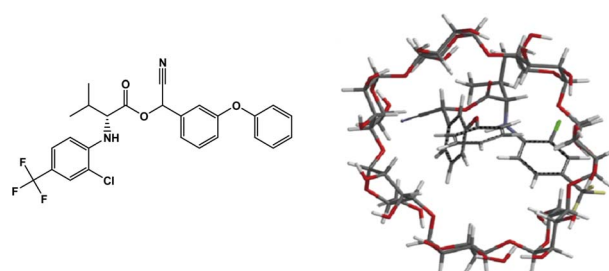
Salsabeel Al-Sodies, Abdullah M. Asiri, M. M. Alam, Khalid A. Alamry, Mohammed M. Rahman* and Mahmoud A. Hussein*



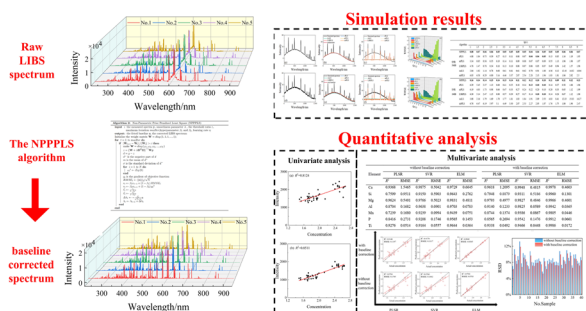
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Cyclodextrin-enhanced photo-induced fluorescence of *tau*-fluvalinate, molecular modelling of inclusion complexes and determination in natural waters

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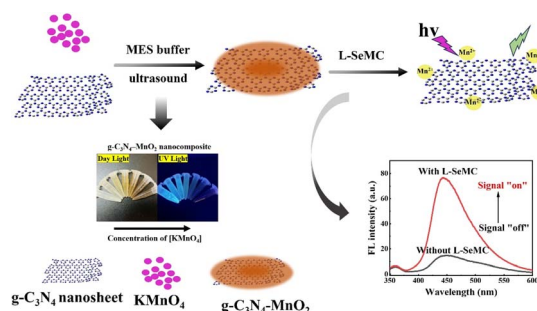
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A LIBS spectrum baseline correction method based on the non-parametric prior penalized least squares algorithm

Shengjie Ma, Shilong Xu,* Youlong Chen, Zhenglei Dou, Yuhao Xia, Wanying Ding, Jiajie Dong and Yihua Hu*

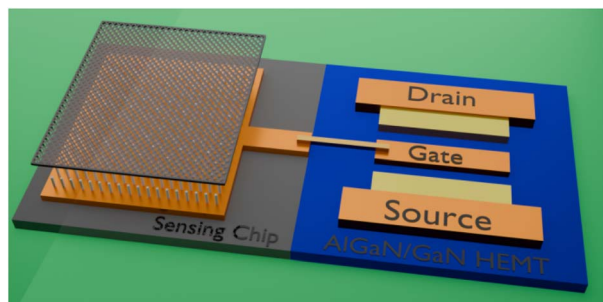
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Highly selective fluorescence detection of L-selenium-methylselenocysteine in selenium-enriched *Cardamine violifolia*

Xiaoran Shi, Hui Zhao, Han Zhang, Qunfang Li and Fangming Lou*

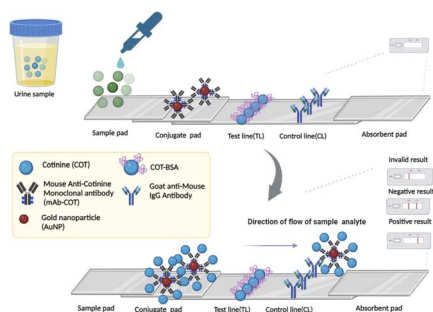
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A salivary urea sensor based on a microsieve disposable gate AlGaN/GaN high electron mobility transistor

Guo Yang, Boxuan Xu, Hui Chang, Zhiqi Gu* and Jiadong Li*

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Development in competitive immunoassay of a point-of-care testing for cotinine (COT) detection in urine

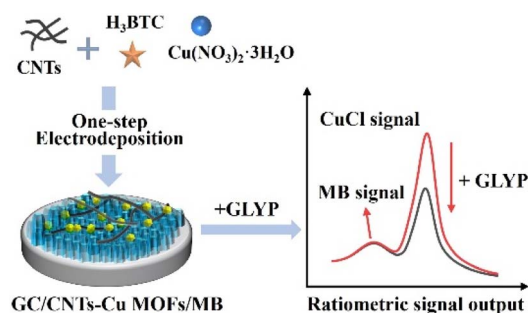
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One-step electrodeposition of MWCNTs-Cu MOF films for the ratiometric electrochemical analysis of glyphosate

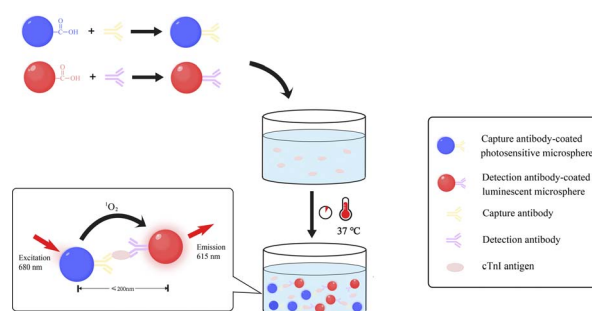
Fan Zhao,* Dongqing Guo, Jingyue Lan and Yunxi Liu



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Establishment of a microspheres-based homogeneous fluorescence immunoassay for the rapid detection of cardiac troponin I

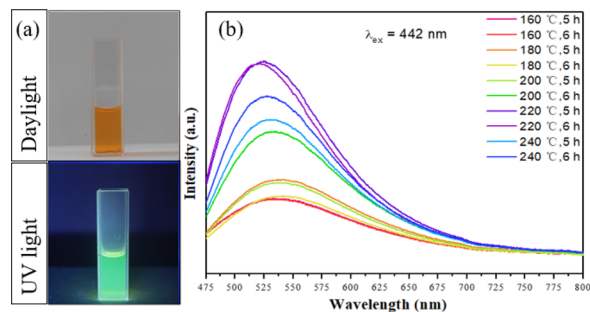
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Detection of sulphur(II) of carbon dots synthesized from *Gardenia* residue

Zhaoxia Li, Yuchuan Dong, Xinyi Li, Dongchun Li, Jia Dong, Panchen Wang, Shuwei Chen* and Huiling Geng*



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A home-made nanoporous gold microsensor for lead(II) detection in seawater with high sensitivity and anti-interference properties

Renato Soares de Oliveira Lins, Anandhakumar Sukeri* and Mauro Bertotti*

