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Cover

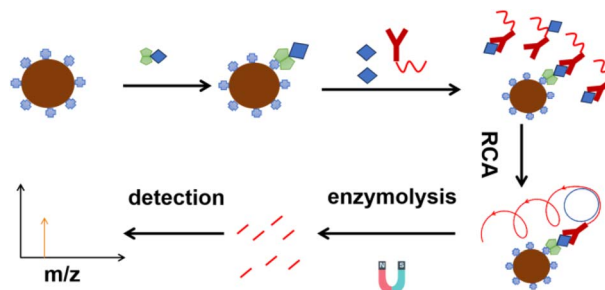
See Chi Zhang *et al.*, pp. 5993–5996. Image reproduced by permission of Chi Zhang from *Anal. Methods*, 2025, 17, 5993. Created with Blender via Blender Foundation.

COMMUNICATIONS

5993

Ultrasensitive detection of deoxynivalenol by mass spectrometric immunoassay with cascade signal amplification

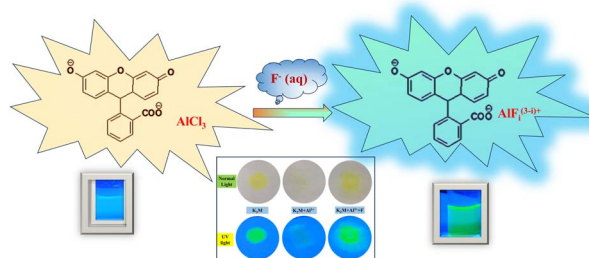
Hanxu Ji, JingJing Xu, Yufeng Li, Xiaoxiao Wu, Diyao Jiang, Xiuming Mei, Miao Yang, Yuwei Qiang, Jungui Zhou and Chi Zhang*



5997

A fluorescein based dual optical sensor for highly selective and sensitive fluoride detection in 100% water medium

Bikash Chandra Mushahary, Debajit Bora, Chayanika Goswami, Mayur Jyoti Bhuyan, Sudhangshu Priya Bharati, Rituraj Das and Sanjeev Pran Mahanta*



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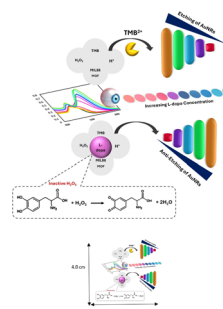
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6002

Colorimetric detection of L-Dopa via anti-etching of Au nanorods catalyzed by an MIL-88A (Fe)-TMB system

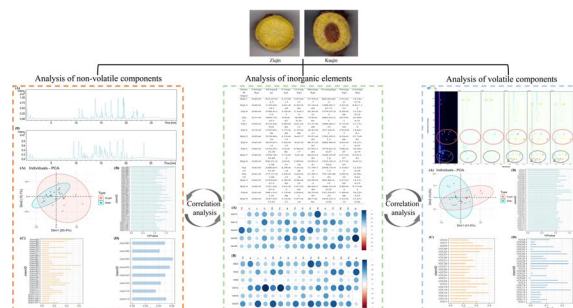
Samira Abbasi-Moayed,* Ghazaleh Mohammad Bagheri, Vanik Gholipour and Soheil Sojده



6009

Characterization of non-volatile compounds, volatile compounds, and inorganic elements in different growth stages of *Scutellariae Radix*

Shuang Liu, Heping Jiao, Chuanzhi Kang, Zhenhua Wang, Xiao Wang and Hongjing Dong*

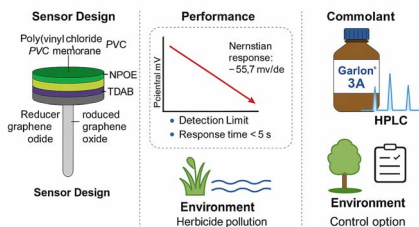


6018

An environmentally relevant solid-state sensor for the trace detection of triclopyr herbicide

Ayman H. Kamel* and Hisham S. M. Abd-Rabboh

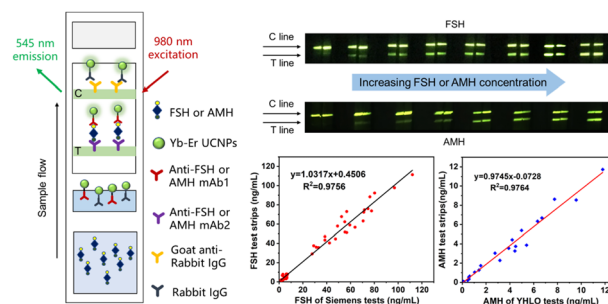
An Environmentally Relevant Solid-State Sensor for the Trace Detection of Triclopyr Herbicide



6026

Upconversion fluorescence immunochromatographic assay for highly sensitive and rapid detection of ovarian function indicators: follicle-stimulating hormone and anti-Müllerian hormone

Jianfeng Yao, Ming Li, Rongfu Huang, Yanting Wang, Liang Song,* Liying Chen* and Zhenzhu Zheng*



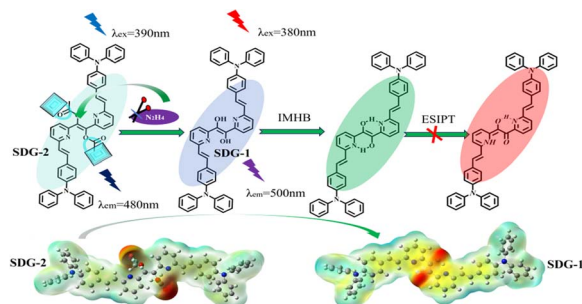
6034



Comprehensive monitoring of 222 pesticide residues in Iranian roasted coffee beans using GC-MS/MS

Ali Asadi, Shokoufeh Goudarzi, Saeedreza Pakzad, Bahram Daraei, Yana Artemovna Firsukova, Amin Mousavi Khaneghah* and Maryam Amirahmadi*

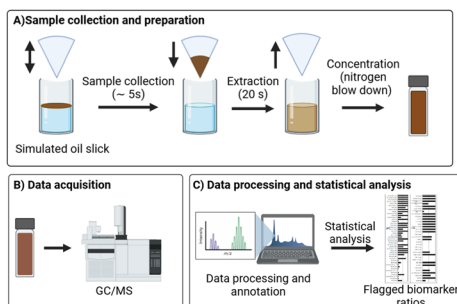
6061



Key-enabled molecular rotation modulates intramolecular hydrogen bonding toward a turn-on trace-level N_2H_4 sensor

Dagang Shen, Chang Song, Liqin Liu, Huabao Li, Yingying Ju, Weiwen Jing* and Huanhuan Wang*

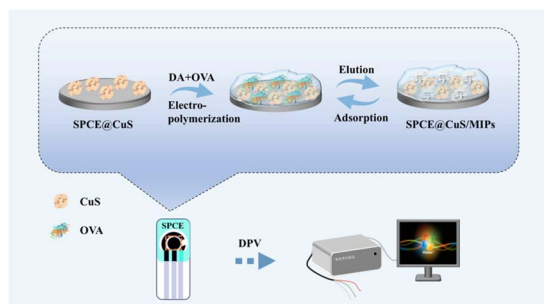
6073



Efficient oil spill identification utilizing hydrophobic sampling paper and gas chromatography/mass spectrometry

Julia Shaw, Jolene Lesuk, Lola Rabinovitch, Taylor Filewood, Honoria Kwok, Jeffrey Yan, Pamela Brunswick, Tao Huan* and Dayue Shang*

6088



A molecularly imprinted electrochemical sensor for ovalbumin based on flower-like CuS nanomaterials

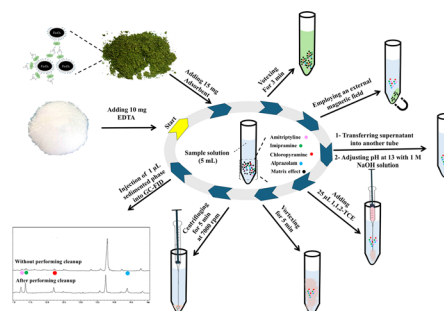
Haijing Zhou, Xiaoxi Mao, Enguang Jiao, Xiaotian Wang, Kunhua Wang, Meili Guan, Linzheng Ma, Meng Gao,* Hao Yu* and Wei Chen*



6098

Matrix clean-up prior to extraction: a novel dispersive micro solid-phase strategy for determining some antidepressants in dam water, pharmaceutical wastewater, and follicular fluid

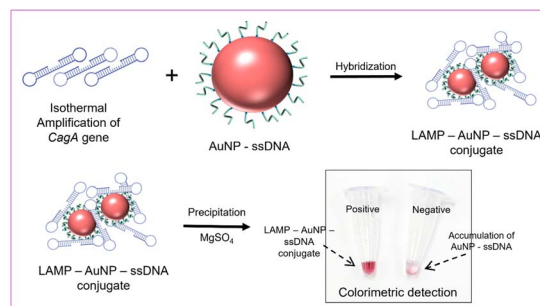
Sina Mohammad Mehri, Mir Ali Farajzadeh* and Mohammad Reza Afshar Mogaddam



6107

Proof of concept for visual detection of the *Helicobacter pylori* CagA gene using gold nanoparticle-assisted LAMP and freezing methods

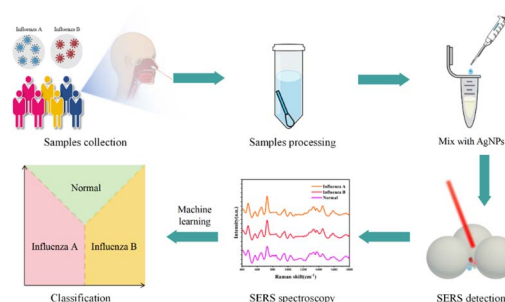
Huseyin Tombuloglu*



6117

Fast identification of influenza using label-free SERS combined with machine learning algorithms via clinical nasal swab samples

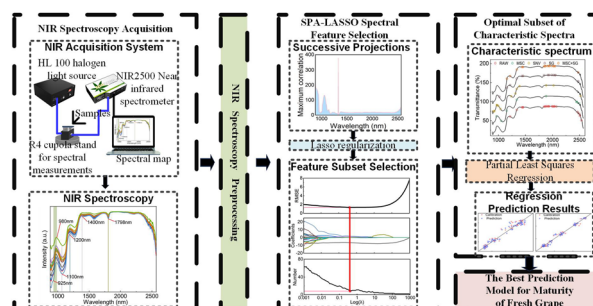
Shaohua He, Shibo Cao, Jiayi Yuan, Zhaoda Yu, Yi Liu, Yangmin Wu, Shuohong Weng, Ming Zong* and Duo Lin*

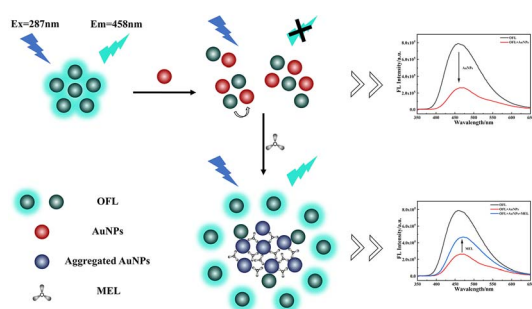


6124

NIRS-based fresh grape ripeness prediction with SPA-LASSO spectral feature selection

Jia-Yue Hu, Zhuo-Kang Wang, Yu-Yu Wang, Yu-Hao Wu, Hai-Cheng Wei,* Jing Zhao,* Liu Yang, Yu-zhe Tan, Zi-Long Deng, Zhi-Jie Xiang, Zi-Yi Wang and Xin-Tong Zhao





A fluorescent probe based on the interaction of ofloxacin with gold nanoparticles for the sensitive detection of melamine

Yuebin Yu, Guoqing Chen,* Chaoqun Ma, Lei Li, Taiqun Yang, Chun Zhu, Hui Gao, Anqi Hu, Yali Qian, Xingyi Guo, Wenhui Yang, Tingjian Yang and Wang Liu

