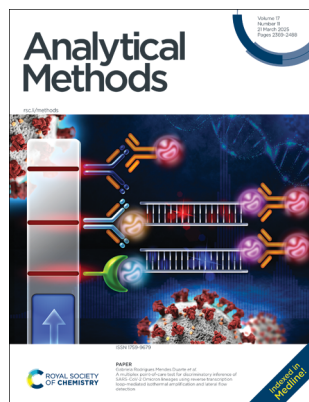


IN THIS ISSUE

ISSN 1759-9679 CODEN AMNECT 17(11) 2369–2488 (2025)



Cover

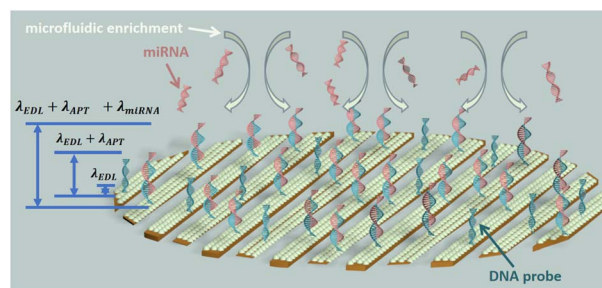
See Gabriela Rodrigues Mendes Duarte *et al.*, pp. 2380–2388. Image reproduced by permission of Gabriela Rodrigues Mendes Duarte from *Anal. Methods*, 2025, 17, 2380.

COMMUNICATION

2376

A microfluidic DNA sensor array for real-time screening of early-stage lung cancer by simultaneous detection of multiple miRNAs

Jian Zhang, Wen Yao, Xuanjiao Mao,* Xinyu Hu, Li Lv and Haochen Qi*

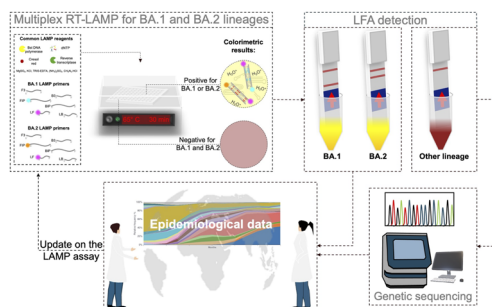


PAPERS

2380

A multiplex point-of-care test for discriminatory inference of SARS-CoV-2 Omicron lineages using reverse transcription loop-mediated isothermal amplification and lateral flow detection

Paulo Felipe Neves Estrela, Giovanna Correa Cesarino, Leonardo Matos Ferreira, Ana Isabel Dias, Paola Cristina Resende, Marilda Mendonça Siqueira and Gabriela Rodrigues Mendes Duarte*



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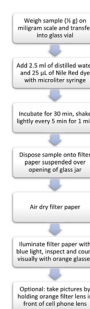
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2389

An economical fluorescent method for microplastic detection in soil samples

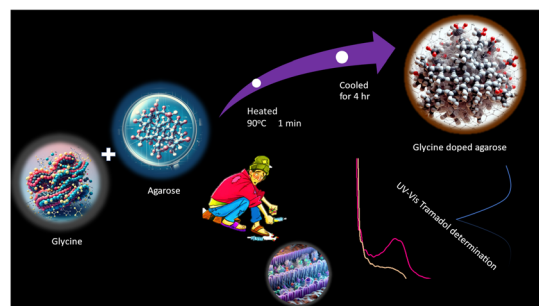
Madalena E. Ritz-Meuret,^{*} Alexander R. Lippert and Thomas Ritz



2398

Enhancing gel electromembrane extraction using glycine-doped agarose to mitigate electroendosmosis flow: application to tramadol extraction from biological specimens

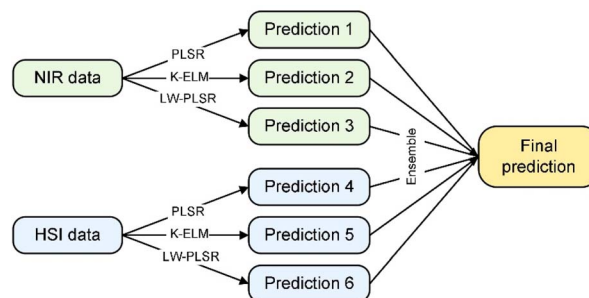
Mehdi Navaser, Ardeshir Shokrollahi,^{*} Fereshteh Zarghampour and Fatemeh Saeidi



2409

Quantitative analysis of creatine monohydrate using near-infrared spectroscopy and hyperspectral imaging combined with multi-model fusion and data fusion strategies

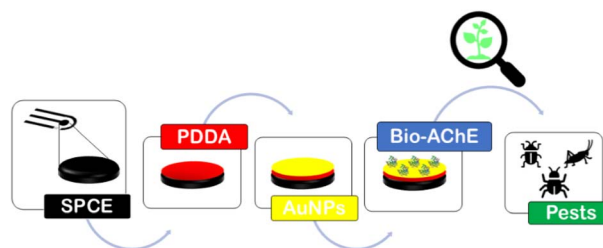
Meiling Zhu, Weiran Song,^{*} Xuan Tang^{*} and Xiangzeng Kong



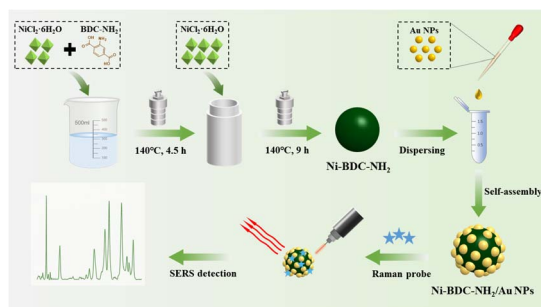
2417

Disposable electrochemical biosensor based on acetylcholinesterase for inhibition assays using a natural substance and plant extracts

Sean dos Santos Araújo, Wilson Tiago Fonseca, Maria Fátima das Graças Fernandes da Silva, Moacir Rossi Forim, João Batista Fernandes^{*} and Ronaldo Censi Faria^{*}



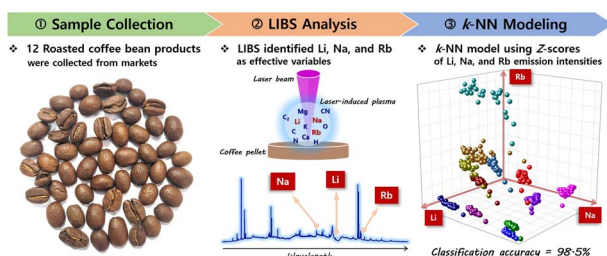
2427



Facile synthesis of novel Ni-BDC-NH₂/Au NPs SERS substrates with synergistic enhancement effects for high-performance detection

Xinxing Jiang, Jihong Fu,^{*} Shuxian Ren and WenXia Xue

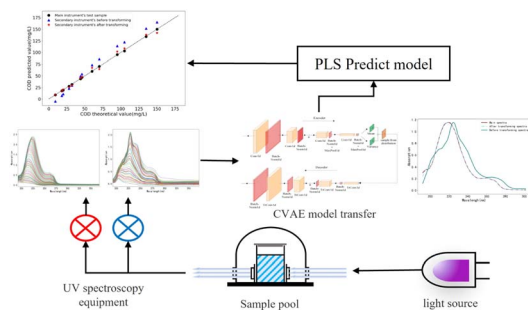
2437



Classification of roasted coffee bean products using laser-induced breakdown spectroscopy: a novel variable selection approach for multiclass modeling

Yujin Oh, Heesu Chae, Hyemin Jung, Sandeep Kumar, Sang-Ho Nam^{*} and Yonghoon Lee^{*}

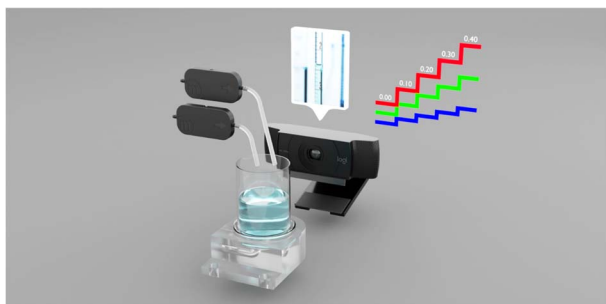
2446



Ultraviolet spectral transfer based on a convolutional variational autoencoder model for detecting chemical oxygen demand in rivers

Duo Zhang, Hongyi Bai,^{*} Laijun Sun,^{*} Zibo Han and Shihao Zhang

2456



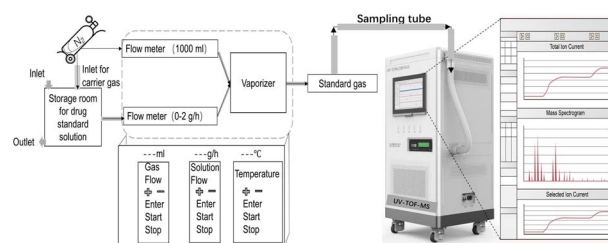
A compact flow-batch analyzer equipped with mini piezoelectric pumps and image-based volume control

Ester Back da Trindade, Enny Priscila Gomes da Silva, Guilherme José de Paula Gonçalves and Alexandre Fonseca^{*}

2467

Development and validation of a novel UV-TOF MS method for real-time exhaled propofol analysis in Beagles

Pan Chang, Xiaoxiao Li, Xing Liu, Yi Kang, Deying Gong, Wenwen Li, Zhongjun Zhao, Tao Zhu, Jin Liu and Wen-sheng Zhang*

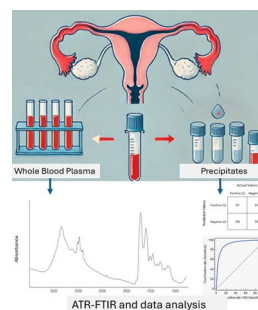


TECHNICAL NOTE

2477

Evaluating the effectiveness of whole blood plasma versus protein precipitates in ovarian cancer detection through infrared spectroscopy

Ana C. O. Neves, Maria Paraskevaidi, Pierre Martin-Hirsch and Kássio M. G. de Lima*



ATR-FTIR and data analysis

