

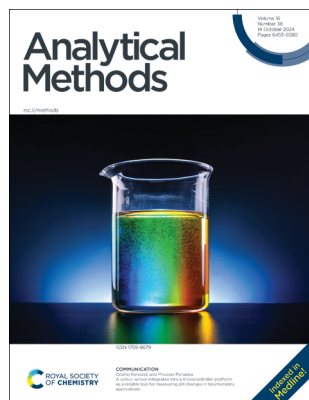
Analytical Methods

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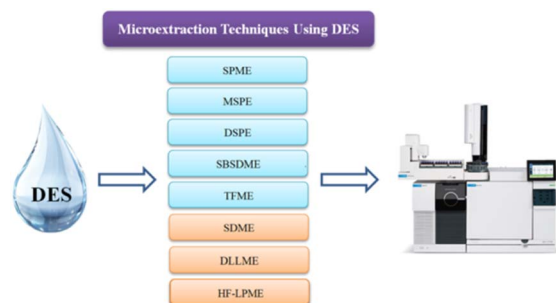
See Ondřej Keresteš and Miroslav Pohanka, pp. 6487–6493. Image reproduced by permission of Ondřej Keresteš from *Anal. Methods*, 2024, 16, 6487. Image designed using Adobe Firefly.

CRITICAL REVIEWS

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Microextraction techniques with deep eutectic solvents for gas chromatographic analysis: a minireview

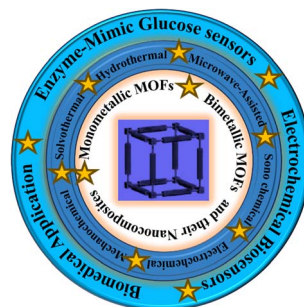
Binyue Fan, Jianan Wei, Junchao Yang, Liu Yang* and ShaoMin Shuang*



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Surface engineered metal–organic framework-based electrochemical biosensors for enzyme-mimic ultrasensitive detection of glucose: recent advancements and future perspectives

Mani Arivazhagan, Rajaji Pavada, Nagaraj Murugan and Jaroon Jakmunee*



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Fundamental questions
Elemental answers

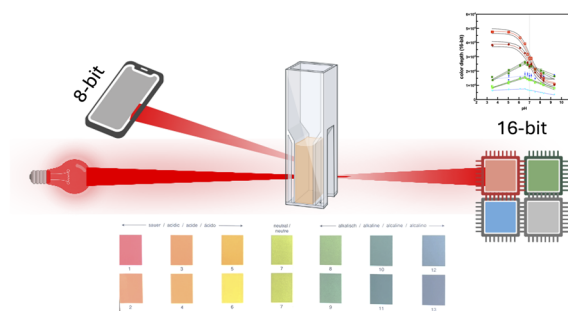


COMMUNICATION

6487

A colour sensor integrated into a microcontroller platform as a reliable tool for measuring pH changes in biochemistry applications

Ondřej Keresteš* and Miroslav Pohanka

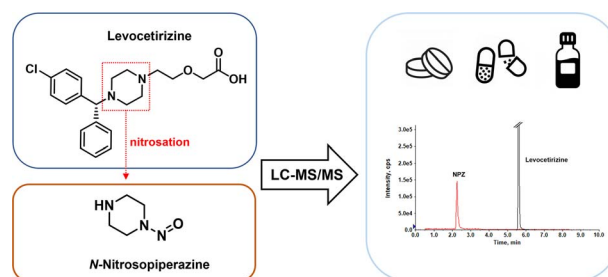


PAPERS

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Development of a sensitive LC-MS/MS method for determination of *N*-nitrosopiperazine in levocetirizine

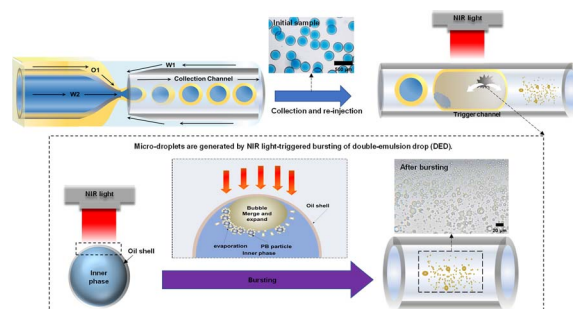
Yujin Lim, Aelim Kim, Yong-Moon Lee and Hwangeui Cho*



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NIR light-triggered bursting of double-emulsion drops (DEDs) for microdroplet generation

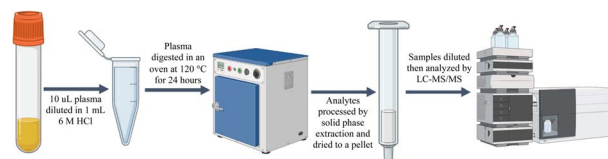
Zhaoze Lu, Jian Yu, Kaihua Wang, Wei Cheng and Likai Hou*



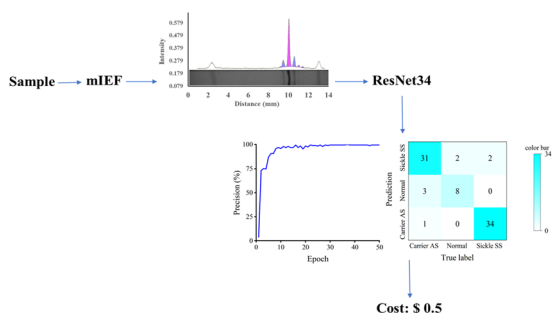
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An LC-MS/MS method for the quantification of 3-bromotyrosine in plasma from patients diagnosed with eosinophilic esophagitis

Morgan E. Thomas, Jonathan E. Markowitz, Ada C. Arwood, Joshua M. Germany and William M. Gilliland, Jr*



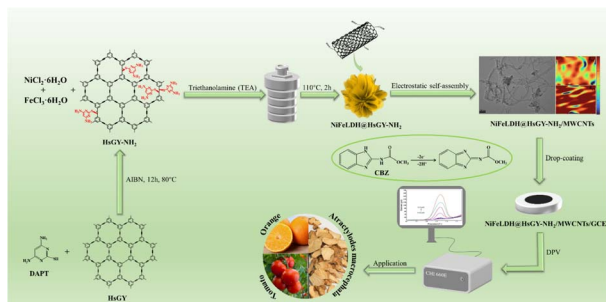
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Deep learning ResNet34 model-assisted diagnosis of sickle cell disease via microcolumn isoelectric focusing

Ali Sani, Youli Tian, Saud Shah, Muhammad Idrees Khan, Hafiz Rabiul Abdurrahman, Genhan Zha, Qiang Zhang, Weiwen Liu, Ibrahim Lawal Abdullahi, Yuxin Wang* and Chengxi Cao*

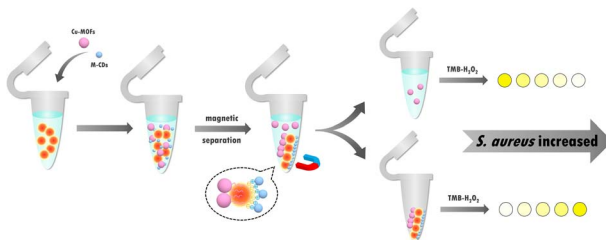
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Efficient detection of carbendazim using an electrochemical sensor for a novel $\text{NiFeLDH@HsGY-NH}_2/\text{MWCNTs}$ heterostructure with lattice-strain

Na Li, Baokun Tang and Tao Zhu*

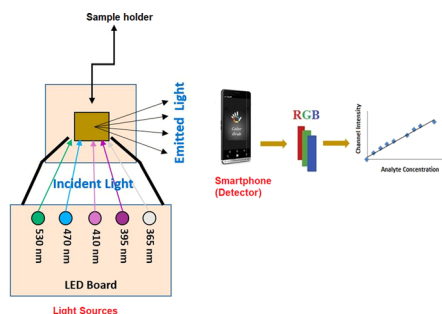
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Colorimetric aptasensor based on peroxidase-mimetic metal-organic framework nanoparticles and magnetic carbon dots for visual detection of *Staphylococcus aureus*

Shanglin Li, Zhaomeng Sun, Ziyang He and Mei Liu*

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Rapid, in-field speciation of Cr(VI) in aqueous samples using photoluminescent MoS_2 quantum dots and portable fluorimetry with digital image analysis

Leila Khoshmaram*, Mina Emami, Roghayeh Jalili and Amin Imani-Nabiyyi*

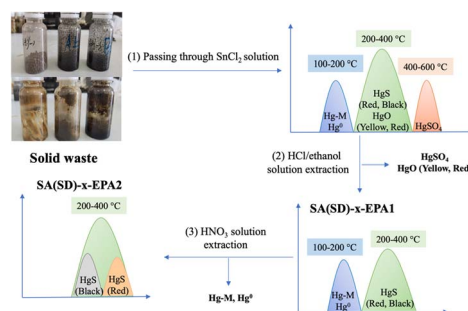


PAPERS

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Morphological analysis of mercury in solid wastes from natural gas processing plants: optimization of a temperature-programmed decomposition and desorption method

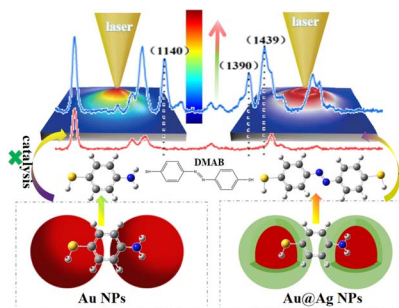
Shengji Wu, Guiyuan Hu, Yutao Shen, Rui Tang, Fan Yang, Lei Che and Wei Yang*



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Fabrication of core-shell-like bimetallic SERS substrates with inter-coordination effect for catalysis of *p*-mercaptoaniline

Jiacheng Ding, Meixia Zhang, Lingru Kong, Peng Song and Yanqiu Yang*

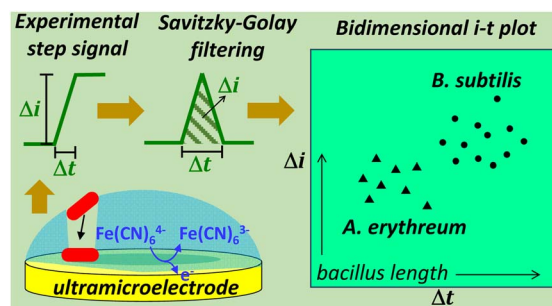


TECHNICAL NOTE

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Savitzky-Golay processing and bidimensional plotting of current-time signals from stochastic blocking electrochemistry to analyze mixtures of rod-shaped bacteria

Ashley Tubbs, Junaid U. Ahmed, Jayani Christopher and Julio C. Alvarez*



CORRECTION

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Correction: Chromatographic fingerprinting of epiphytic fungal strains isolated from *Withania somnifera* and biological evaluation of isolated okaramine H

Vandana Sharma, Shifali Chib, Diksha Kumari, Kuljit Singh, Saurabh Saran and Deepika Singh*

