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ISSN 0003-2654 CODEN ANALAO 149(22) 5363–5574 (2024)



Cover

See Bernhard Lendl *et al.*, pp. 5372–5380.

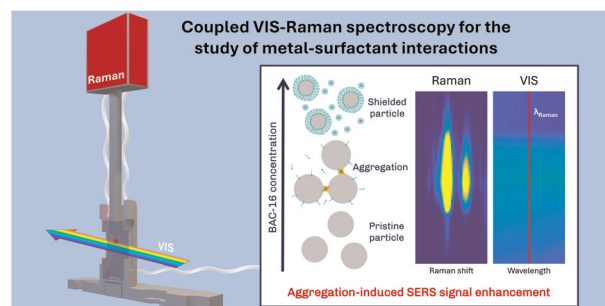
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5372

In situ study of the interactions between metal surfaces and cationic surfactant corrosion inhibitors by surface-enhanced Raman spectroscopy coupled with visible spectroscopy

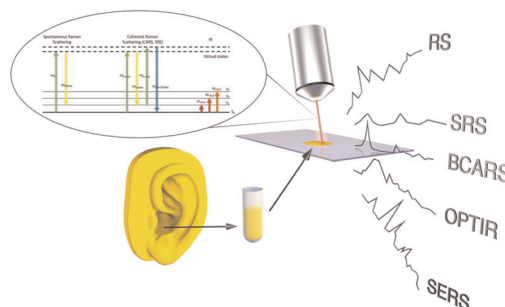
Felix Frank, Daniela Tomasetig, Peter Nahringsbauer, Wolfgang Ipsmiller, Gerd Mauschwitz, Karin Wieland and Bernhard Lendl*



5381

Advancing cerumen analysis: exploring innovative vibrational spectroscopy techniques with respect to their potential as new point-of-care diagnostic tools

Edoardo Farnesi, Matteo Calvarese, Chen Liu, Carl Messerschmidt, MohammadSadeqh Vafaeinezhad, Tobias Meyer-Zedler, Dana Cialla-May, Christoph Krafft, Jonas Ballmaier, Orlando Guntinas-Lichius, Michael Schmitt and Jürgen Popp*



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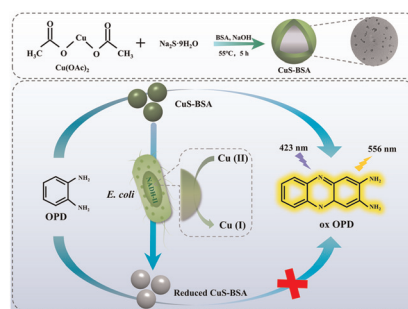
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A nano-biosensing platform based on CuS-BSA for label-free fluorescence detection of *Escherichia coli*

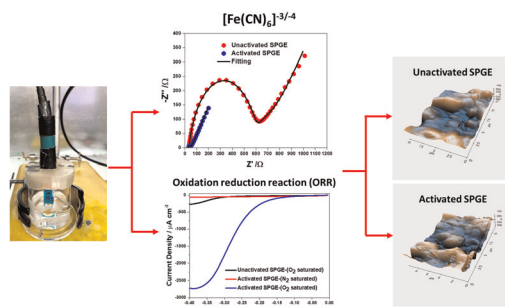
Xiaoqing Zhang, Shanglin Li and Mei Liu*



5401

Electrochemical and imaging evaluations of electrochemically activated screen-printed gold electrodes

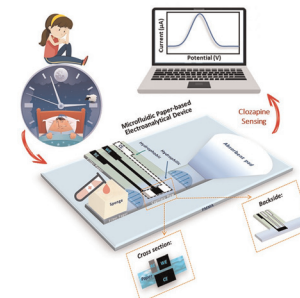
Nor Dyana Zakaria, Ibrahim Luqman Salih, Hairul Hisham Hamzah,* Turgut Sönmez, Muhamad Huzaifah Omar, Noorhashimah Mohamad Nor, Khairunisak Abdul Razak and Venugopal Balakrishnan



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Screen printed 3D microfluidic paper-based and modifier-free electroanalytical device for clozapine sensing

Mohammad Hossein Ghanbari, Markus Biesalski, Oliver Friedrich and Bastian J. M. Etzold*

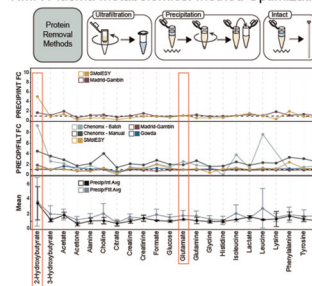


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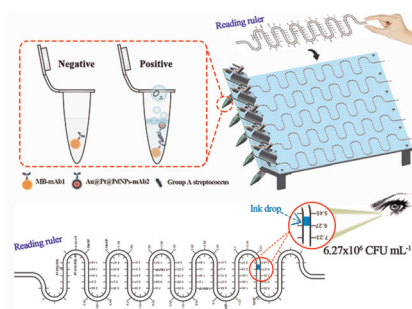
Evaluating protocols for reproducible targeted metabolomics by NMR

Darcy Cochran, Panteleimon G. Takis,* James L. Alexander, Benjamin H. Mullish, Nick Powell, Julian R. Marchesi and Robert Powers*

NMR Plasma Metabolomics: Method Optimization



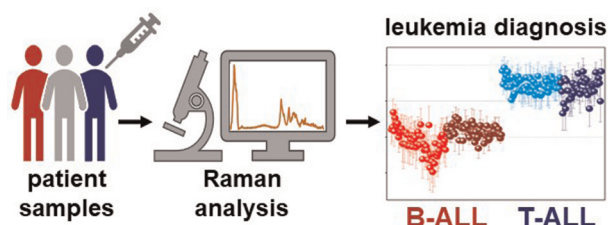
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Nanozyme linked multi-array gas driven sensor for real-time quantitative detection of *Group A streptococcus*

Qi Wang, Pei Liu, Ke Xiao, Wenying Zhou, Jinfeng Li* and Yun Xi*

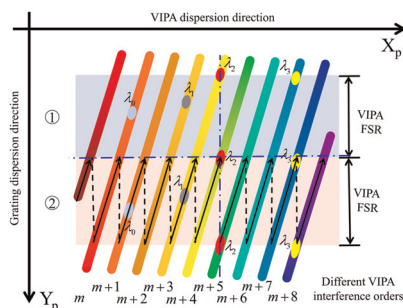
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Advancing triage of acute lymphoblastic leukaemia subtypes diagnosis: label-free Raman spectroscopy for precise single-cell phenotyping and subtype classification

Patrycja Leszczenko, Anna M. Nowakowska, Patrycja Dawiec, Karolina Czuja, Justyna Jakubowska, Marta Zabczynska, Agata Pastorczak, Kinga Ostrowska,* Szymon Tott, Wojciech Mlynarski, Malgorzata Baranska and Katarzyna Majzner*

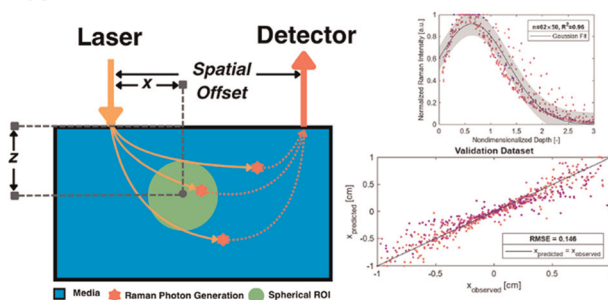
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A simple spectrogram model for high-accuracy spectral calibration of VIPA spectrometers

Hao Zhou, Weixiong Zhao,* Weihua Cui, Bingxuan Lv, Bo Fang, Nana Yang, Guangfeng Xiang, Weijun Zhang,* Lunhua Deng and Weidong Chen

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Material-agnostic characterization of spatially offset Raman spectroscopy in turbid media via Monte Carlo simulations

Zuriel Erikson Joven, Piyush Raj and Ishan Barman*

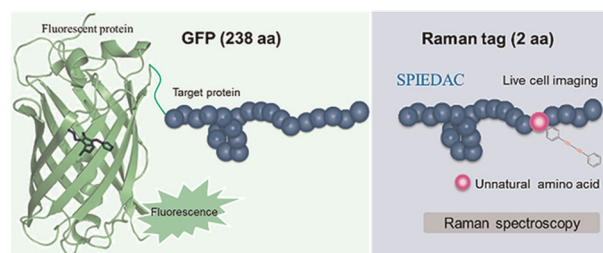


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Imaging specific proteins in living cells with small unnatural amino acid attached Raman reporters

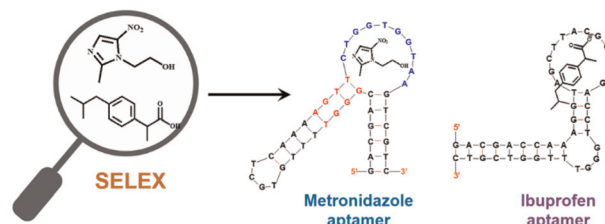
Erli Cai, Yage Chen, Jing Zhang, Haozheng Li, Yiran Li, Shuai Yan, Zhiyong He,* Quan Yuan* and Ping Wang*



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Selection of DNA aptamers for detecting metronidazole and ibuprofen: two common additives in soft drinks

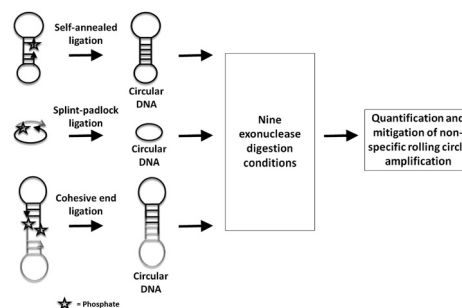
Jin Wang, Xiangmei Li, Hongtao Lei* and Juewen Liu*



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Probing the role of ligation and exonuclease digestion towards non-specific amplification in bioanalytical RCA assays

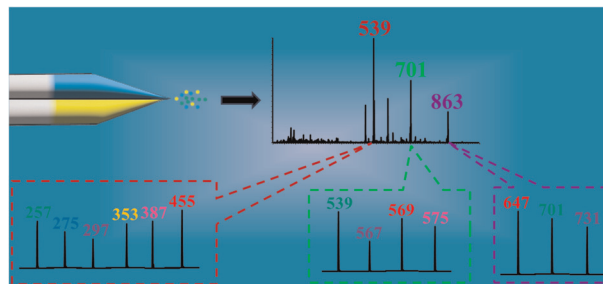
Vandana Kuttappan Nair,* Chandrika Sharma, Shrawan Kumar, Mrityika Sengupta and Souradyuti Ghosh*



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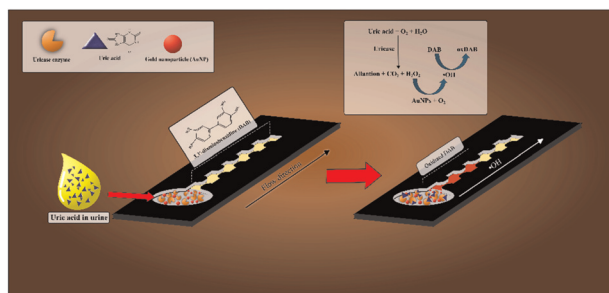
Differentiation of oligosaccharide isomers by direct infusion multidimensional mass spectrometry

Enoch Amoah, Taghi Sahraeian, Ayesha Seth and Abraham K. Badu-Tawiah*



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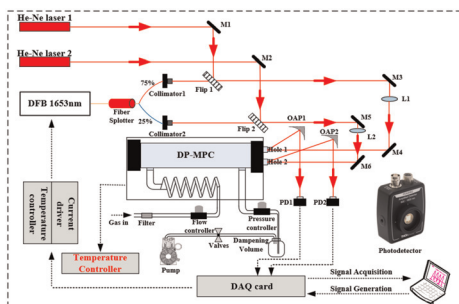
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A gold nanomaterial-integrated distance-based analytical device for uric acid quantification in human urine samples

Tapparath Leelasattarakul, Thithawat Trakoolwilaiwan and Kavin Khachornsakkul*

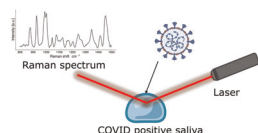
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Double-channel sensors for high precision measurement of methane based on a dual-path Herriott cell

Hongliang Ma, Shiqi Wang, Gaoxuan Wang, Qilei Zhang, Shenlong Zha, Xueyuan Cai, Lingli Li, Pan Pan, Qiang Liu* and Shengbao Zhan

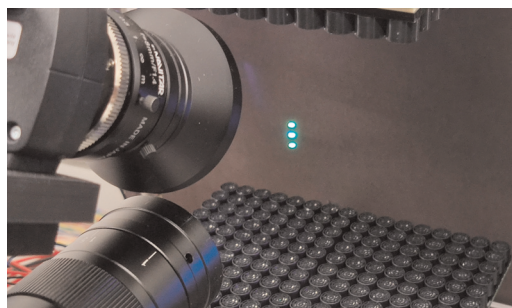
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Liquid saliva-based Raman spectroscopy device with on-board machine learning detects COVID-19 infection in real-time

Katherine J. I. Ember, Nassim Ksantini, Frédérick Dallaire, Guillaume Sheehy, Trang Tran, Mathieu Dehaes, Madeleine Durand, Dominique Trudel and Frédéric Leblond*

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Acoustic levitation and manipulation of columns of droplets with integrated optical detection for parallelisation of reactions

Ruchi Gupta* and Nicholas J. Goddard

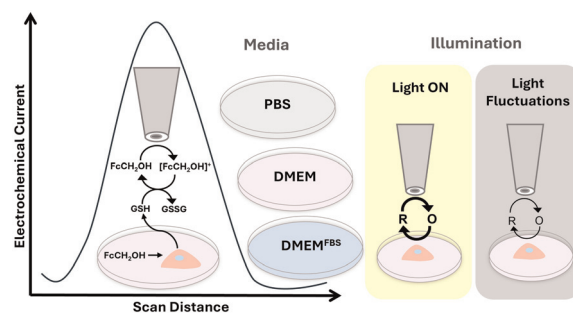


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Effects of media composition and light exposure on the electrochemical current response during scanning electrochemical microscopy live cell imaging

Nikita Thomas, Mengzhen Lyu, Jadon Khouv, Dhésmon Lima and Sabine Kuss*



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Designing a novel paper-based microfluidic disc for rapid and simultaneous determination of multiple nutrient salts in water

Zhentao Sun, Youquan Zhao,* Yameng Liu, Chen Chen and Hao Chen

