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Cover

See Cheng-Hao Ko and Wei-Yi Kong, pp. 4930–4947.

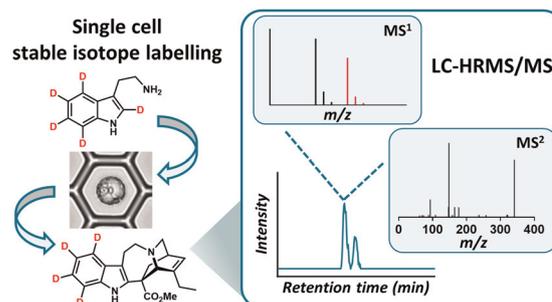
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COMMUNICATIONS

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Isotopic labelling analysis using single cell mass spectrometry

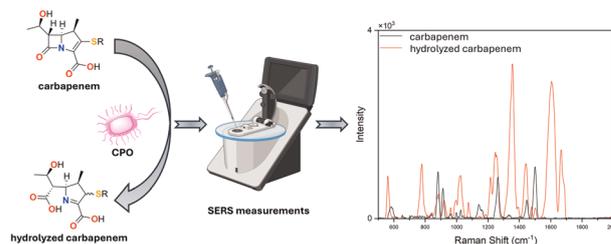
Anh Hai Vu, Sarah E. O'Connor* and Lorenzo Caputi*



4925

Detection of carbapenemase-mediated antimicrobial resistance using surface-enhanced Raman scattering

Ziying Wang, Hridaynath Bhattacharjee, Mitchell A. Jeffs, Rachel A. V. Gray, Yazan Bdour, Aristides Docoslis, Christopher T. Lohans* and Carlos Escobedo*



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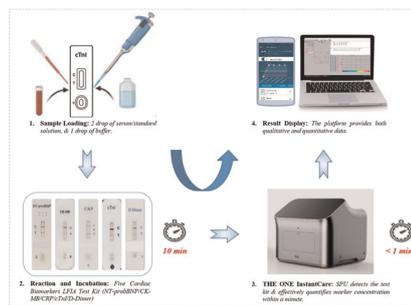


PAPERS

4930

High-sensitivity SpectroChip-integrated LFIA platform for rapid point-of-care quantification of cardiovascular biomarkers

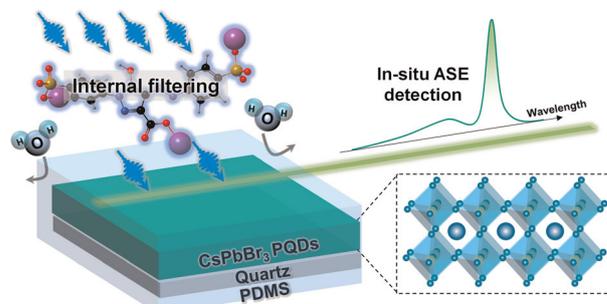
Cheng-Hao Ko* and Wei-Yi Kong



4948

Polydimethylsiloxane encapsulated CsPbBr₃ quantum dots enable amplified spontaneous emission-driven *in situ*, ultrahigh-speed monitoring of water-soluble food additives

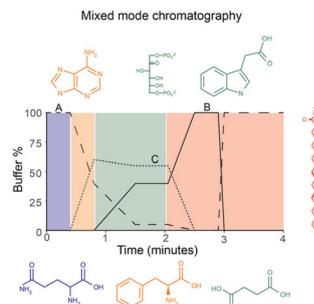
Jiayan Chen, Jie Gao, Cancan Wang, Yang Sun, Dandan Cao, Xinli Wang, Jiyuan Wu, Ziyue Jiao, Xiao Huang, Meng Zhao, Yi Wang,* Xi-Cheng Ai, Limin Fu and Jian-Ping Zhang



4955

Fast, general-purpose metabolome analysis by mixed-mode liquid chromatography–mass spectrometry

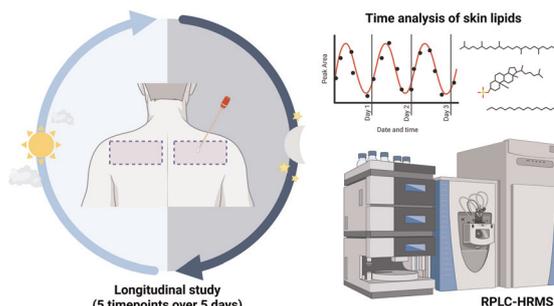
Mario S. P. Correia, Alaa Othman and Nicola Zamboni*



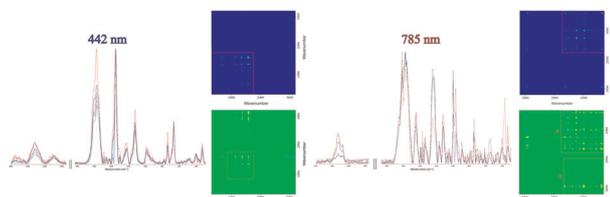
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Investigating the effects of circadian rhythm on the human skin lipidome

Caroline Géhin,* Amanda V. Witter,* Lu Wang, Perdita E. Barran, Stephen J. Fowler and Drupad K. Trivedi



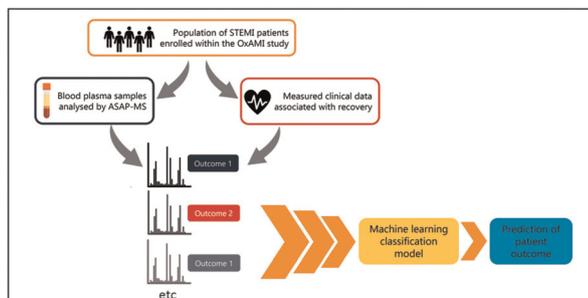
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Two-dimensional correlation spectroscopy (2D-COS) in the analysis of parasitemia in Raman spectra of red blood cells of patients diagnosed with malaria

Mateusz Migdalski, Jacek Czepiel, Paulina Moskal, Malwina Birczyńska-Zych, Martyna Kucharska, Grażyna Biesiada, Joanna Stokłosa, Monika Bociąga-Jasik and Aleksandra Wesetucha-Birczyńska*

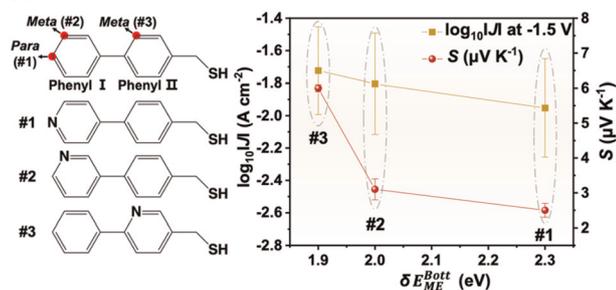
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Prediction of clinical outcomes of ST-elevated myocardial infarction patients using atmospheric solids analysis probe mass spectrometry and machine learning

Annabel S. J. Eardley-Brunt, Thomas Mills, Rafail Kotronias, Giovanni Luigi de Maria, Keith Channon, The Oxford Acute Myocardial Infarction (OxAMI) study and Claire Vallance*

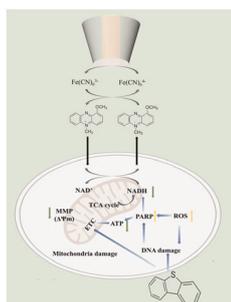
4997



How energy-offset affects the Seebeck coefficient and conductance of molecular junctions with pyridyl isomers

Lejia Wang, Wuxian Peng, Ningyue Chen, Yu Xie, Shengzhe Qiu and Yuan Li*

5006



Electrochemical investigation of intracellular NADH: the effect of PASHs on mitochondrial function

Chunyu Kang and Liping Lu*

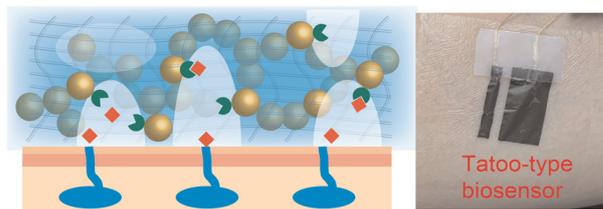


PAPERS

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A gold nanoparticle/cellulose nanofiber composite film for tattoo-type biosensors

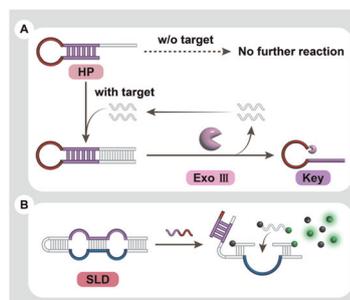
Shuyi Sun, Satohiro Itagaki, Masashi Fujita, Yojiro Yamamoto and Hiroshi Shiigi*



5023

Cascade signal amplification-based fluorescent biosensor utilizing exonuclease III and self-locking DNAzyme synergy for microRNA detection

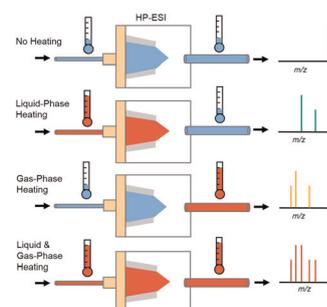
Daqi Chen, Zhezhi Fang, Yachunyu Zhou, Ziyao Zeng, Jiancong Liang, Baian Zhu and Chaozhan Chen*



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High-pressure ESI with high-temperature pre- and post-ESI heating for high-throughput analysis of hydrothermal and gas-phase thermal effects on analytes

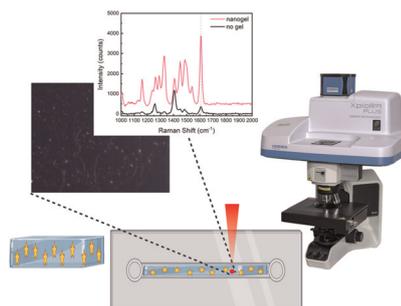
Xiang Zhang, Zhihua Ying and Lee Chuin Chen*



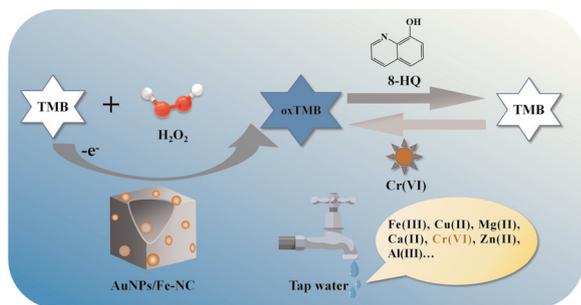
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Optical characterization of a nanogel–nanostar plasmonic nanocomposite for microfluidic sensing and surface-enhanced Raman scattering

Casey Folks, Nishka Ghiloria and Laura D. Casto-Boggess*



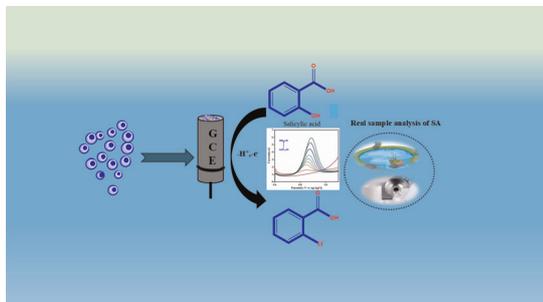
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Novel Au-anchored Fe-NC nanozyme-enabled rapid and sensitive colorimetric detection of Cr(vi)

Shumin Xi, Fengjun Luo, Peng Chen, Ding Wang,*
Jingxi Wang,* Beibei Kou* and Renyong Zhao

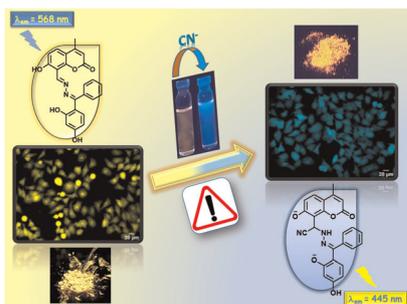
5062



Calcium-doped lanthanum cobaltite-based electrochemical sensor for the sensitive detection of salicylic acid in real samples: pond water and acne gels

Chinchu Gibi, Sambandam Anandan, Cheng-Hua Liu
and Jerry J. Wu*

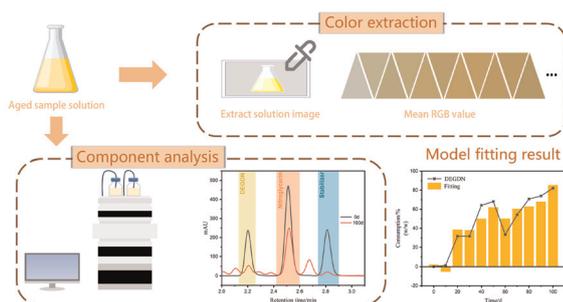
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A dual-phase coumarin-based ratiometric fluorescent probe for highly sensitive cyanide sensing and bioimaging applications

Moumita Ghosh, Amitav Biswas, Atanu Maji,
Subhabrata Guha, Gaurav Das, Rahul Naskar,
Saswati Gharami* and Tapan Kumar Mondal*

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Research on the extraction of aging characteristics from diethylene glycol dinitrate propellant using RGB image processing

Yingyi Wu, Yanchun Li,* Qian Guo, Yang Chen,
Dongming Song and Aifeng Jiang*

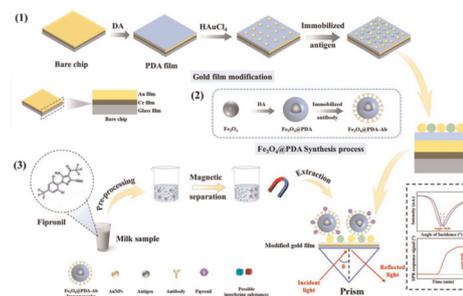


PAPERS

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Enhancement of sensitivity in SPR detection of fipronil based on an $\text{Fe}_3\text{O}_4@\text{PDA}$ signal amplification strategy

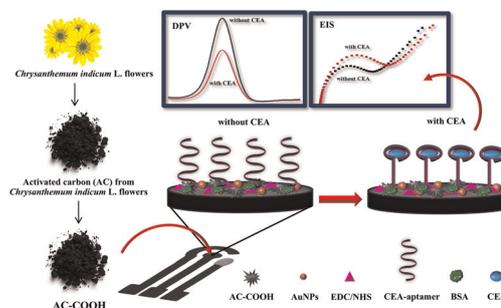
Yulian Li, Bing Zhang, Li Wang* and Haoyuan Cai*



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Electrochemical aptasensor based on *Chrysanthemum indicum* L.-derived carbon materials for detection of carcinoembryonic antigen

Jutarat Sonjai, Pakin Noppawan, Nidchakarn Theamwong, Nontipa Supanchaiyamat, Andrew J. Hunt, Jaron Jakmunee and Jantima Upan*



CORRECTION

5111

Correction: Quantum dot-to-dye-based fluorescent ratiometric immunoassay for GFAP: a biomarker for ischaemic stroke and glioblastoma multiforme

Susan Varghese, Anju S. Madanan, Merin K. Abraham, Ali Ibrahim Shkhair, Geneva Indongo, Greeshma Rajeevan, B. K. Arathy and Sony George*

