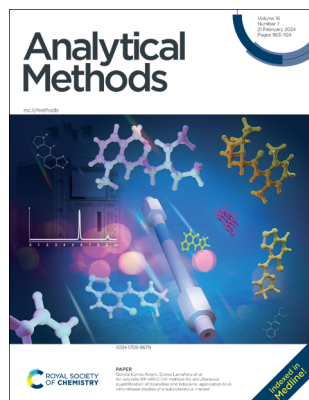


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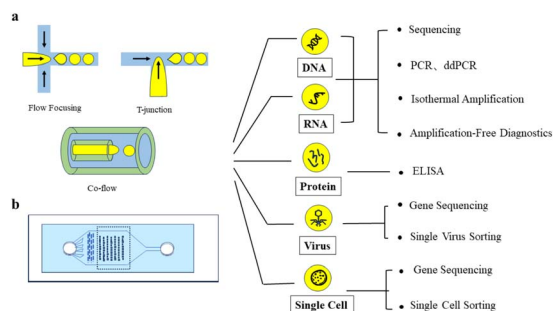
See Qonita Kurnia Anjani, Eneko Larrañeta *et al.*, pp. 979–989. Image reproduced by permission of Camila J. Picco, Qonita Kurnia Anjani, Ryan F. Donnelly and Eneko Larrañeta from *Anal. Methods*, 2024, 16, 979.

MINIREVIEW

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The development of droplet-based microfluidic virus detection technology for human infectious diseases

Jiayan Liu, Bingyang Zhang, Li Wang, Jingjie Peng, Kun Wu* and Tiancai Liu*

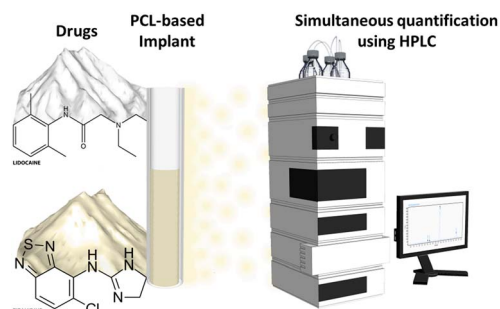


PAPERS

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An isocratic RP-HPLC-UV method for simultaneous quantification of tizanidine and lidocaine: application to *in vitro* release studies of a subcutaneous implant

Camila J. Picco, Qonita Kurnia Anjani,* Ryan F. Donnelly and Eneko Larrañeta*



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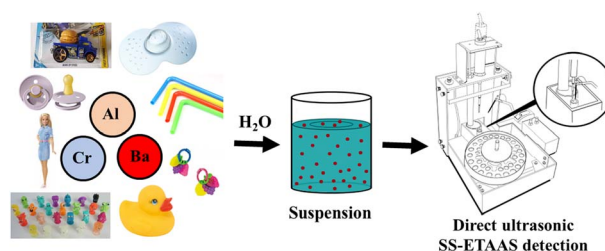
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Fundamental questions
Elemental answers

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Green direct ultrasonic slurry sampling and electrothermal atomic absorption spectrometry method for metal analysis of solid plastics samples

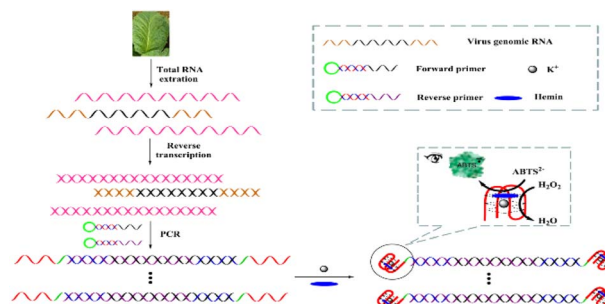
Katarína Chovancová, Nicolas Milan Michalides, Martina Košlabová, Martina Končalová and Radoslav Halko*



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Naked-eye detection of plant viral disease using polymerase chain reaction amplification and DNAzyme

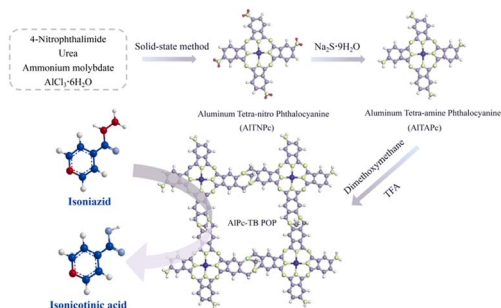
Yongwei Fang, Chuang Wang, Yuli Wang, Jiandong Hu, Miao Lai, Pengfei Liu* and Hong Zhang*



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A Tröger's base-linked aluminium phthalocyanine polymer for discriminative electrochemical sensing of the antibiotic isoniazid

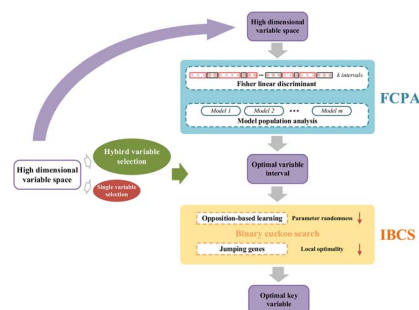
Gang Xiang, Wensi Xu, Wenfeng Zhuge, Qing Huang, Cuizhong Zhang and Jinyun Peng*



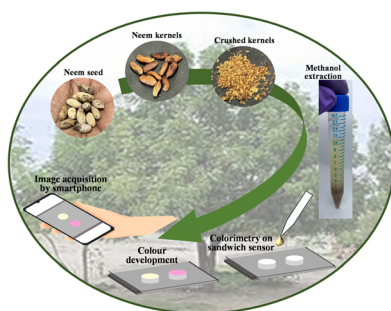
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A hybrid variable selection method combining Fisher's linear discriminant combined population analysis and an improved binary cuckoo search algorithm

Shuobo Chen, Kang Du, Baoming Shan, Qilei Xu and Fangkun Zhang*



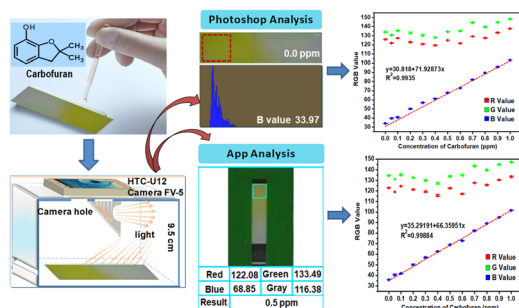
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Detection of azadirachtin from neem kernels using a paper-based sandwich sensor

Kurian Sinu, Rangasamy Savitha, Bauri Ranjit and Subramaniam Pushpavanam*

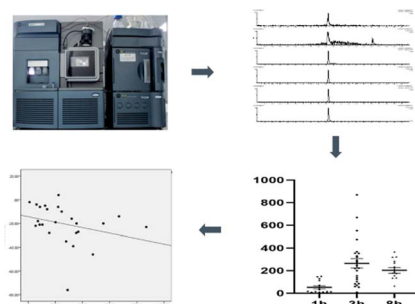
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Paper-based colorimetric sensor using Photoshop and a smartphone app for the quantitative detection of carbofuran

Kuo-Hui Wu,* Wen-Chien Huang, Je-Chuang Wang and Shih-Hsien Wang

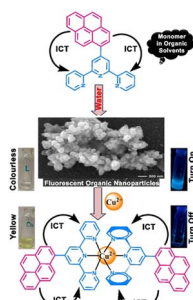
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Xiaoting Yan, Xiaoying He, Xi Yang, Qingwei Zhao* and Yan Lou*

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AIE active fluorescent organic nanoparticles based optical detection of Cu²⁺ ions in pure water: a case of aggregation–disaggregation reversibility

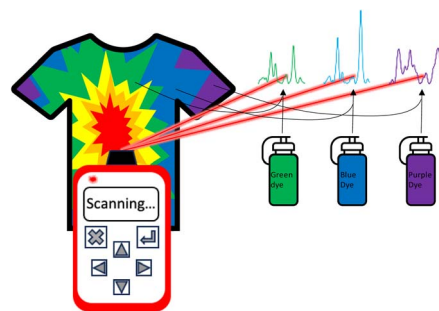
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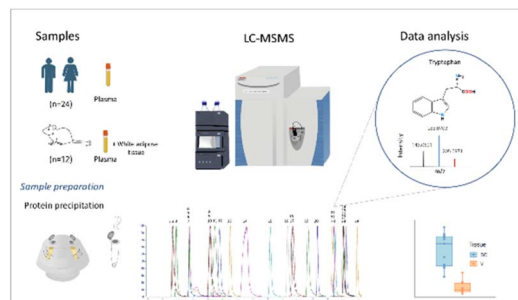
Shannon Bober and Dmitry Kurouski*



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Analysis of tryptophan metabolites and related compounds in human and murine tissue: development and validation of a quantitative and semi-quantitative method using high resolution mass spectrometry

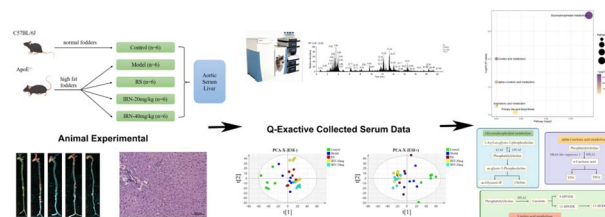
Sandy Abujrais, S. J. Kumari A. Ubhayasekera and Jonas Bergquist*



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Serum-based metabolomics reveals the mechanism of action of isorhynchophylline in the intervention of atherosclerosis in ApoE^{-/-} mice

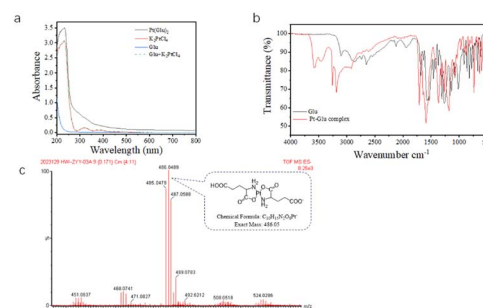
Lihua Wang, Haichao Li, Hao Zhang, Xiayinan Song, Haiqiang Jiang, Danyang Wang* and Yu Wang*



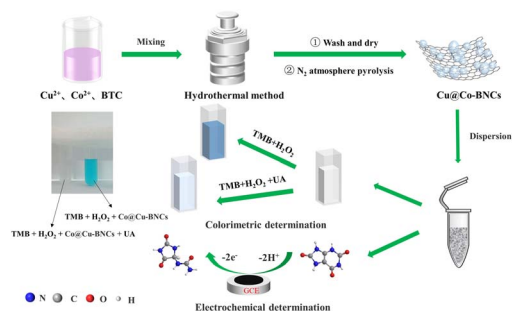
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A platinum glutamate acid complex as a peroxidase mimic: high activity, controllable chemical modification, and application in biosensors

Yuanyuan Zhang, Lexian Wu, Jing Yang, Guoming Li, Keqin Deng and Haowen Huang*



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