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Analytical Methods

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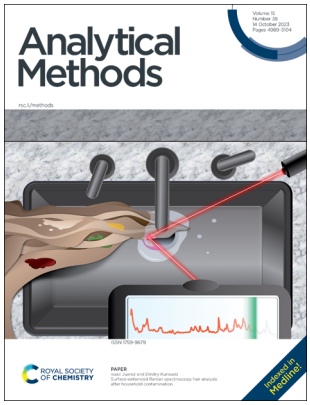

Cover
See Isaac Juarez and Dmitry Kurouski, pp. 4996–5001. Image reproduced by permission of Aidan P. Holman, *Anal. Methods*, 2023, **15**, 4996.

PAPERS

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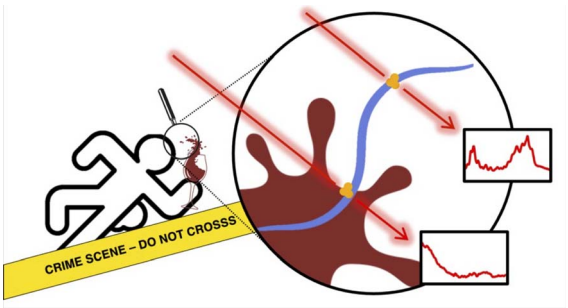
Surface-enhanced Raman spectroscopy hair analysis after household contamination

Isaac Juarez and Dmitry Kurouski*



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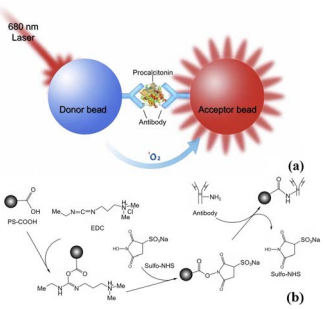
Preparation and characterization of a homogeneous immunoassay for point-of-care testing (POCT) of procalcitonin (PCT)

Zhaoying Li, Weixiang Zhai, Lu Wang, Jiyang Liu, Chunjie Li* and Liang Xu*



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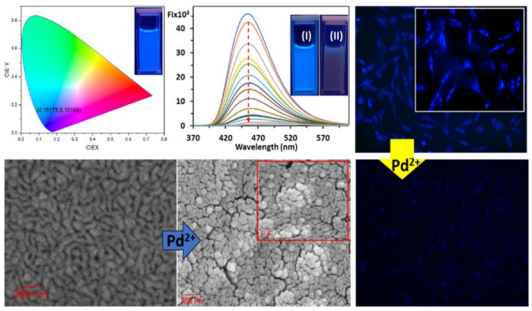
A 1,8-naphthalimide based chemosensor for intracellular and biofluid detection of Pd^{2+} ions: microscopic and anticounterfeiting studies

Sanjeev Kumar, Neha Sharma, Satwinder Singh Marok, Satwinderjeet Kaur and Prabhpreet Singh*



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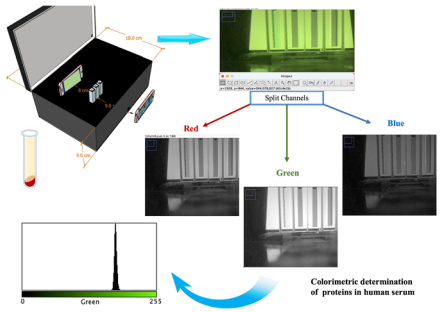
Smartphone digital image colorimetry for quantification of serum proteins

Victor Markus,* Ozlem Dalmizrak, Oğuz Han Edebal, Mais Al-Nidawi and Jude Caleb*



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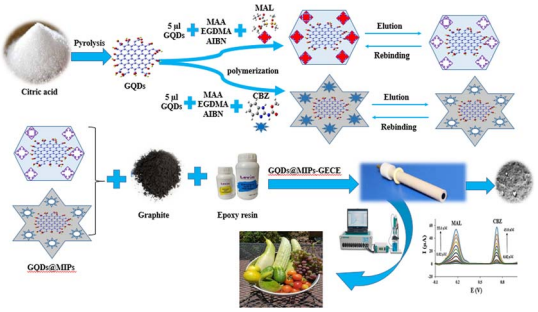
Dual-template imprinted polymer electrochemical sensor for simultaneous determination of malathion and carbendazim using graphene quantum dots

Fariba Beigmoradi, Masoud Rohani Moghadam,* Zahra Garkani-Nejad, Alireza Bazmandegan-Shamili and Hamid Reza Masoodi



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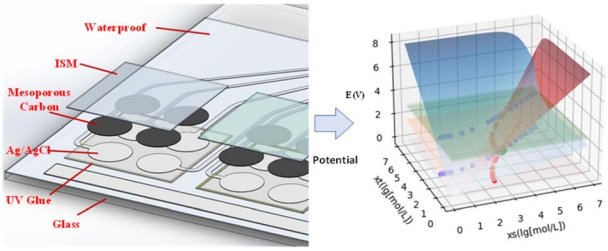
A multi-ion interference decoupling model based on ion-selective electrode arrays

Zhancheng Mai, Shaoqiu Xiao, Wei Zhang and Kai Wang*



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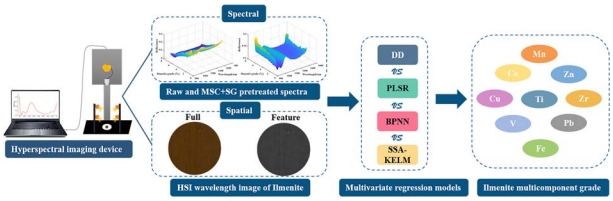

Multicomponent hyperspectral grade evaluation of ilmenite using spectral-spatial joint features

Xinqiang Yi, Manjiao Chen,* Wang Guo, Xinjun Hu,* Jiahong Zhang, Xue Fei, Lipeng Han and Jianping Tian

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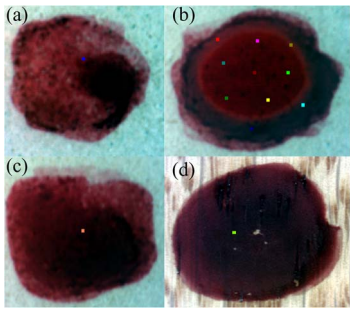

Age estimation of bloodstains based on convolutional neural network algorithm and hyperspectral imaging technology

Yang Qifu, Zhang Xinyu, Qi Yueying, Xie Jiayi, Zhang Jianqiang, Liang Ying, Wu Jiaquan and Ma Kun*

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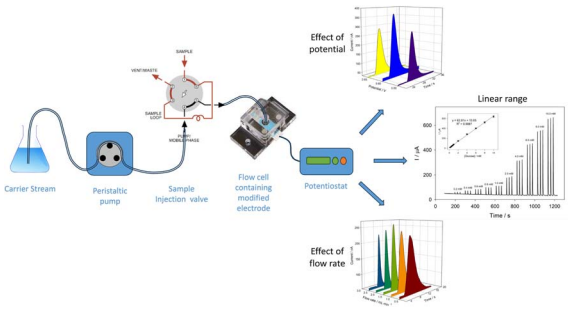

Non-enzymatic glucose sensing using a nickel hydroxide/chitosan modified screen-printed electrode incorporated into a flow injection analysis system

Wesley J. McCormick,* Eva McLoughlin and Denis McCrudden

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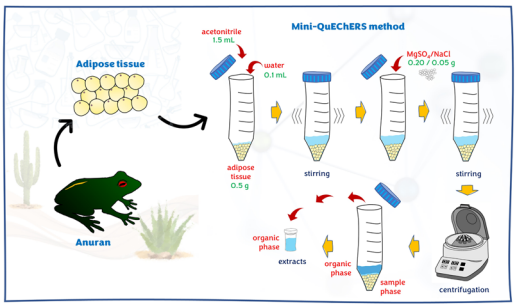

Development and application of a mini-QuEChERS method for the determination of pesticide residues in anuran adipose tissues

Allyson Leandro Rodrigues dos Santos, Igor de Melo Lima, Andressa Tironi Vieira, Patrícia de Menezes Gondim, Paulo Cascon and Anizio Marcio de Faria*

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PAPERS

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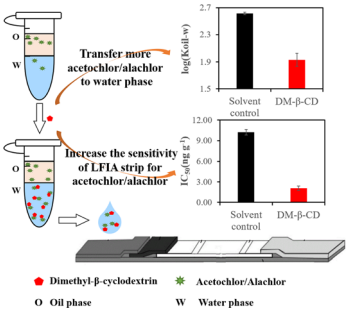
A lateral flow immunoassay method for the rapid detection of acetochlor and alachlor in vegetable oil by sensitivity enhancement by using dimethyl-β-cyclodextrin

Zepeng Li, Yuxiang Wu, Zijing Li, Binger Yu, Xinyi Mao and Guoqing Shi*



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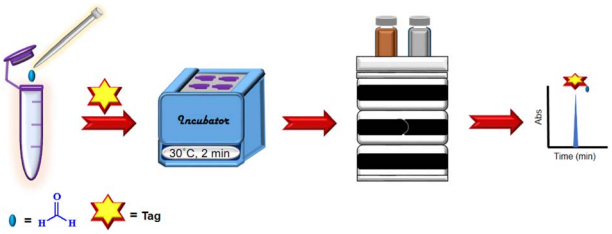
Simple and fast microderivatization method for determining formaldehyde using narrow-bore liquid chromatography with UV detection

Hsin-Shu Ho and Chi-Yu Lu*



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