

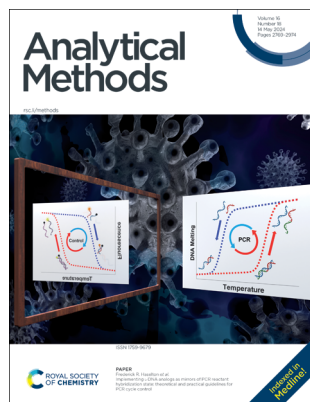
Analytical Methods

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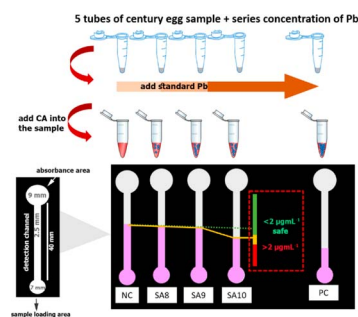
See Frederick R. Haselton *et al.*, pp. 2840–2849. Image reproduced by permission of Nicholas Spurlock from *Anal. Methods*, 2024, 16, 2840.

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Paper-based sensors: affordable, versatile, and emerging analyte detection platforms

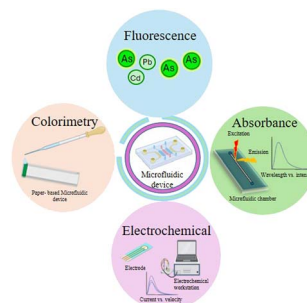
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Integrated microfluidic platforms for heavy metal sensing: a comprehensive review

Sharmila Sajankila Nadumane, Rajib Biswas and Nirmal Mazumder*



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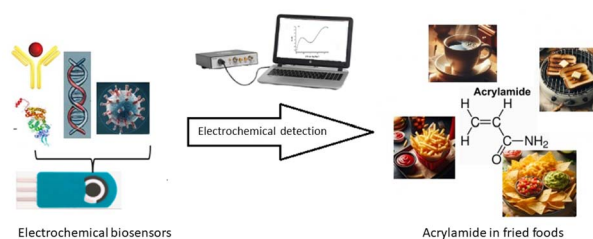
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CRITICAL REVIEWS

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Acrylamide in food products and the role of electrochemical biosensors in its detection: a comprehensive review

Alexandra Virginia Bounegru* and Iulian Bounegru

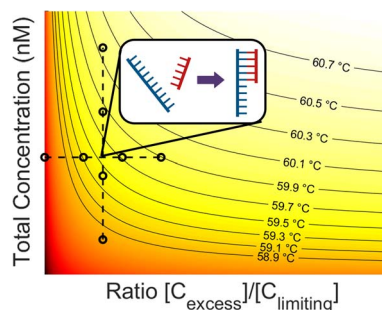


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Implementing L-DNA analogs as mirrors of PCR reactant hybridization state: theoretical and practical guidelines for PCR cycle control

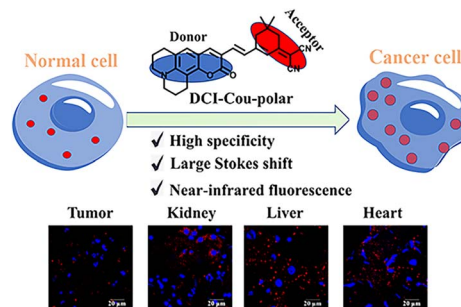
Nicholas Spurlock, William E. Gabella, Dalton J. Nelson, David T. Evans, Megan E. Pask, Jonathan E. Schmitz and Frederick R. Haselton*



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A highly selective probe engineered to detect polarity and distinguish normal cells and tumor cells in tissue sections

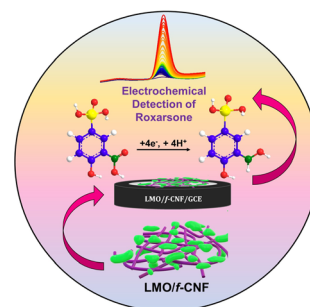
Sai Zhu, Lixuan Dai, Xiaoli Zhong and Weiyang Lin*



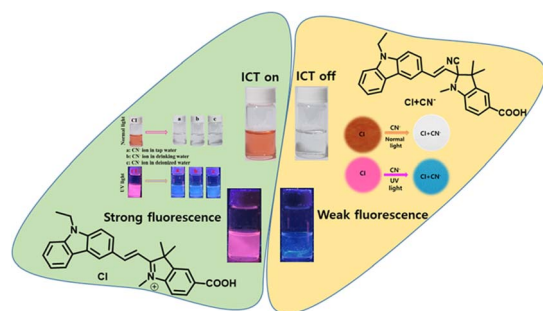
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Design and fabrication of La-based perovskites incorporated with functionalized carbon nanofibers for the electrochemical detection of roxarsone in water and food samples

Mariya Antony John Felix, Santhiyagu Sahayaraj Rex Shanlee, Shen-Ming Chen,* Sundaresan Ruspika, Ramachandran Balaji,* Narendhar Chandrasekar and Periyanyagam Arockia Doss



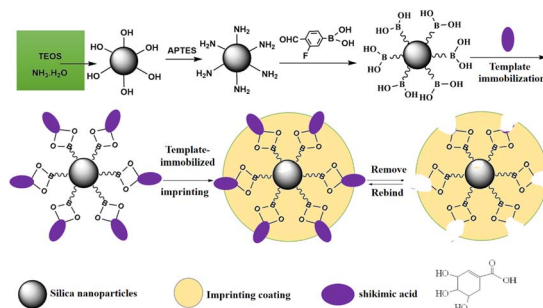
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A reaction based carbazole–indolium conjugate probe for the selective detection of environmentally toxic ions

Jayasudha Palanisamy,* Mansour K. Gatasheh and Ashraf Atef Hatamleh

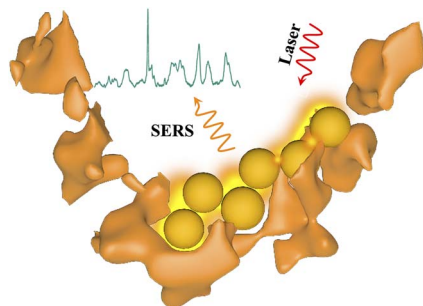
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The preparation of a boronate affinity-based controlled oriented imprinting coating on a silica nanoparticle surface for the separation and purification of shikimic acid in herbal medicine

Yumin Yang, Daojin Li* and Bingqian Liu

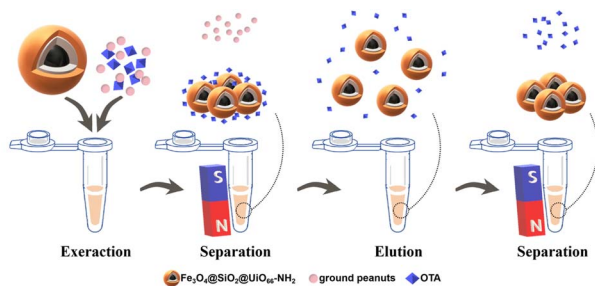
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Yang Xu, Yan Wu, Jianjun Wei,* Yuanyu Zhao and Peili Xue

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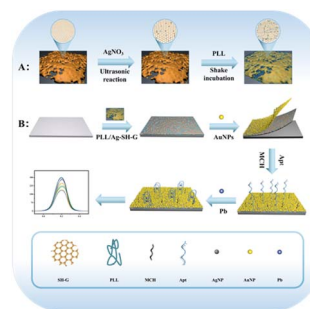
Bingchen Wang, Yifan Wang, Xiuyuan Zhang and Kuo He*



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An electrochemical aptasensor based on silver-thiolated graphene for highly sensitive detection of Pb²⁺

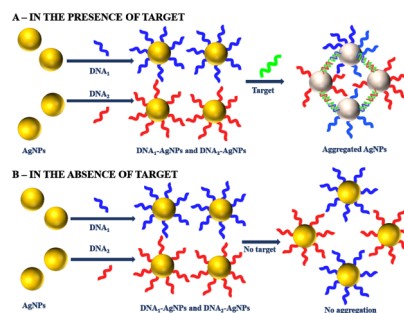
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A simple and rapid colorimetric detection of *Staphylococcus aureus* relied on the distance-dependent optical properties of silver nanoparticles

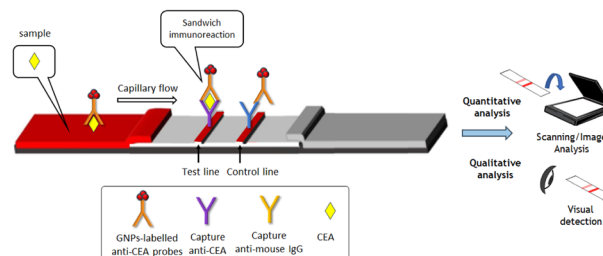
Phan Ngoc Anh Thu, Nguyen Hoang Men, Cam-Duyen Thi Vo, Vo Van Toi and Phuoc Long Truong*



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A simplified lateral flow immunosensor for the assay of carcinoembryonic antigen in low-resource settings

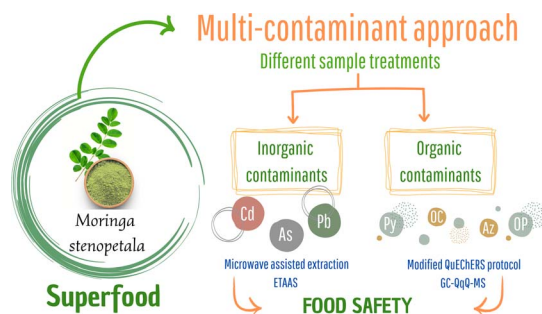
Ioanna Tsogka, Electra Mermiga, Varvara Pagkali, Christos Kokkinos and Anastasios Economou*



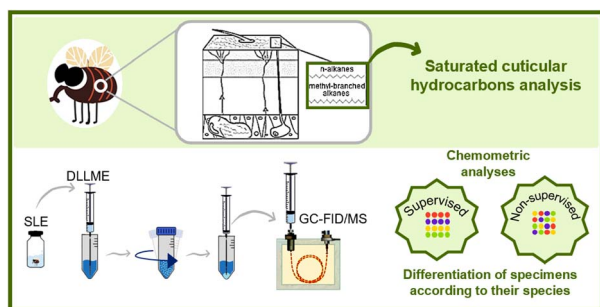
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Holistic food safety evaluation of herbs: methods for the determination of organic and inorganic trace contaminants in *Moringa stenopetala* as a case study

Ignacio Machado, Natalia Gérez, Analía Bertón, Horacio Heinzen and María Verónica Cesio*



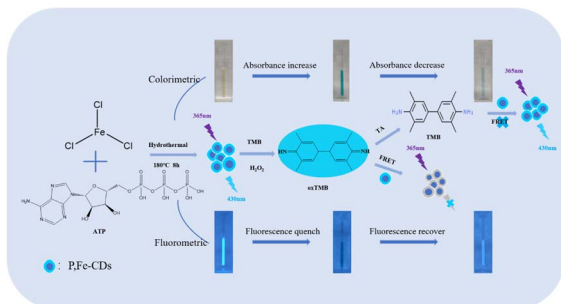
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Discrimination of Diptera order insects based on their saturated cuticular hydrocarbon content using a new microextraction procedure and chromatographic analysis

L. O. León-Morán, M. Pastor-Belda, P. Viñas, N. Arroyo-Manzanares, M. D. García, M. I. Arnaldos and N. Campillo*

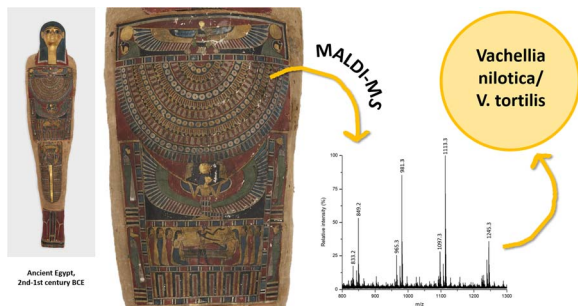
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Dual-signal detection of tannic acid in red wines based on the peroxidase activity of carbon dots

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New insight from MALDI-TOF MS and multivariate data analysis on the botanical origin of polysaccharide-based paint binders in ancient Egypt

Clara Granzotto,* Amra Aksamija, Gerjen H. Tinnevelt, Viktoriia Turkina and Ken Sutherland

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Correction: High-resolution magic-angle spinning NMR metabolic profiling with spatially localized spectroscopy under slow sample spinning

Alan Wong

