

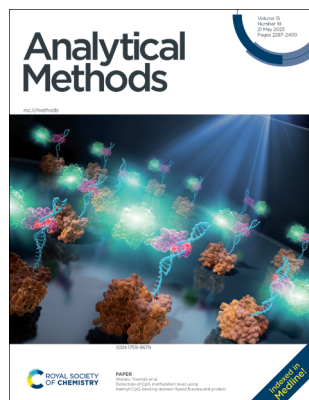
Analytical Methods

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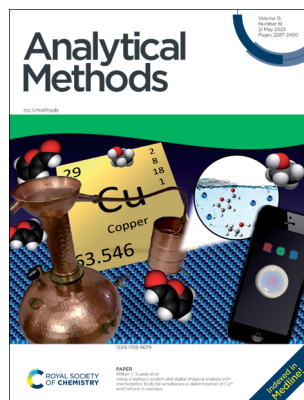
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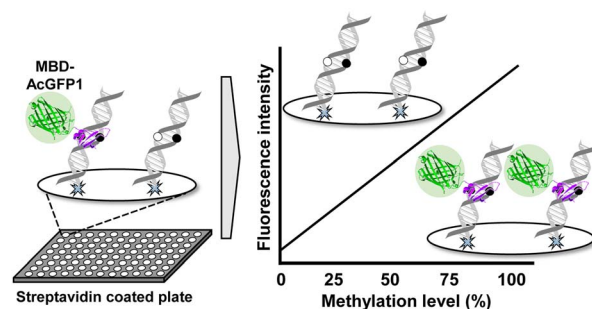
See Willian T. Suarez *et al.*, pp. 2300–2308. Image reproduced by permission of Willian T. Suarez from *Anal. Methods*, 2023, 15, 2300.

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Detection of CpG methylation level using methyl-CpG-binding domain-fused fluorescent protein

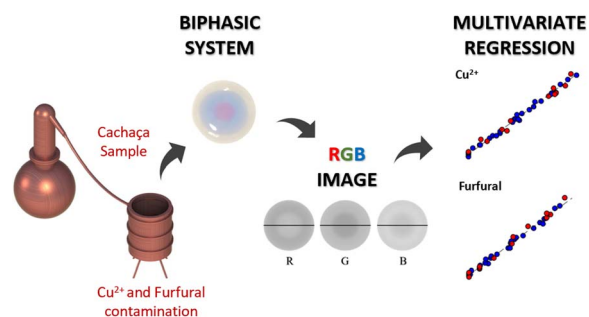
Marika Fujita, Masanori Goto, Masayoshi Tanaka and Wataru Yoshida*



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Using a biphasic system and digital imaging analysis with chemometric tools for simultaneous determination of Cu^{2+} and furfural in cachaça

Mathews de O.K. Franco, Wilson J. Cardoso, Castelo B. Vilanculo, Vagner B. dos Santos, João Paulo B. de Almeida, Luis Fermin Capitán-Vallvey and Willian T. Suarez*



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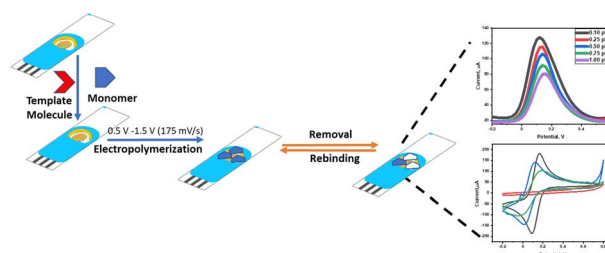
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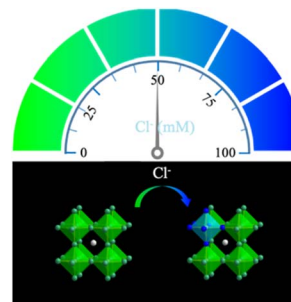
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and Sibel A. Ozkan*

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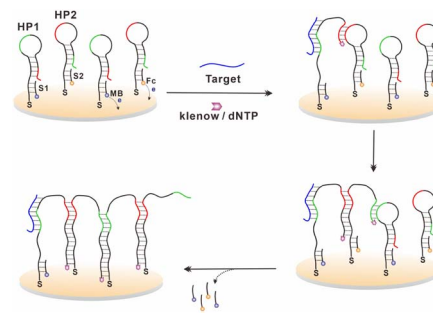
Rapid detection of urine chloride enabled by ion exchange in hydrophilic lead halide perovskite nanocrystals

Xianli Li, Jie Li, Peibin Hong, Wen-Xiu Ni* and Binbin Luo*



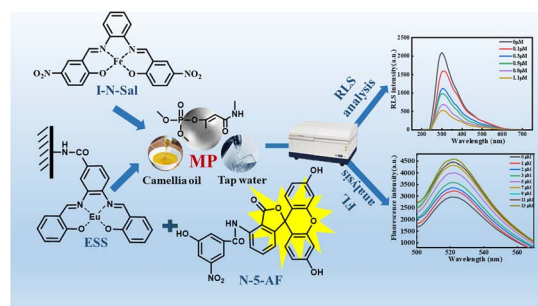
A DNA polymerase-powered self-propelled DNA walking strategy for one-step, amplified and dual-signal electrochemical target detection

Xue Chen, Jialiang Wu, Dengfeng Qu, Shuang Li,
Li Wang,* Fang Li* and Shufeng Liu*

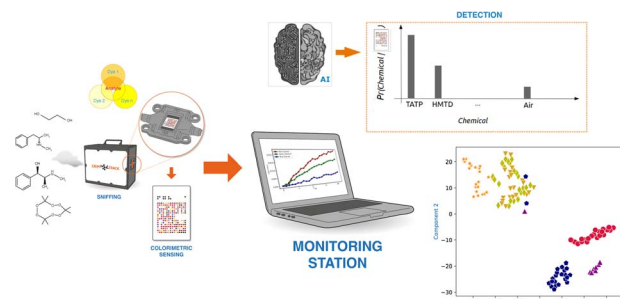


Two Fe(III)/Eu(III) Salophen complex-based optical sensors for determination of organophosphorus pesticide monocrotophos

Qian Li, Jing Yang, Wenzhan Yu, Liqiong He,
Renlong Zhou, Changming Nie, Lifu Liao and Xilin Xiao*



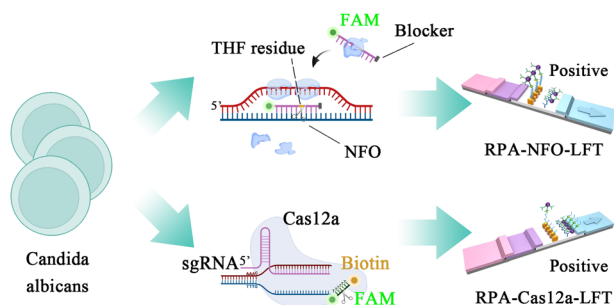
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Machine learning methods for the detection of explosives, drugs and precursor chemicals gathered using a colorimetric sniffer sensor

Deena P. Francis,* Milan Laustsen, Eleftheria Dossi, Tuule Treiberg, Iona Hardy, Shai Hvid Shiv, Bo Svarrer Hansen, Jesper Mogensen, Mogens H. Jakobsen and Tommy S. Alstrøm

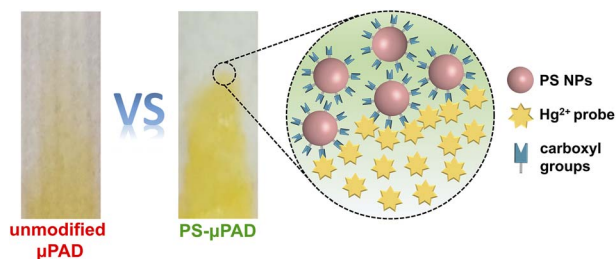
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Development and evaluation of RPA-NFO-LFT and RPA-Cas12a-LFT systems for the detection of *Candida albicans*

Chang Liu, Xuechun Yao, Chunlong Liu, Shengping You,* Wei Qi and Mengfan Wang*

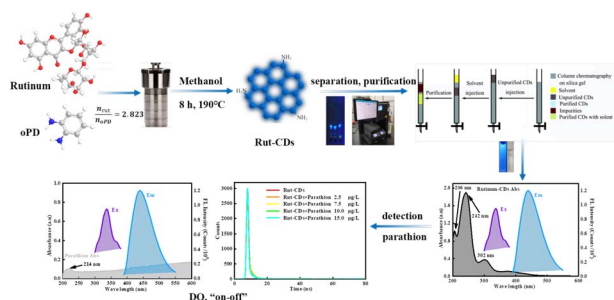
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Clarity improvement of the discoloration boundary and detection of Hg^{2+} ions by using a polystyrene nanoparticle-modified paper-based microdevice

Jingcheng Xiao, Jingjing Jiang, Zexu Zhao, Jiahao Guo and Jinyi Wang*

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Facile hydrothermal synthesis of N-doped fluorescent carbon dots for selective detection of insecticide parathion

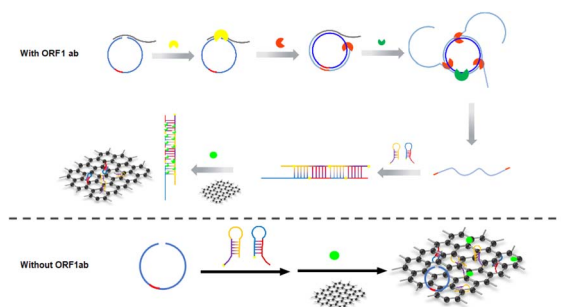
Lei Jiang, Lin Yuan, Shan Gao, Yingying Xiang, Fei Song, Wensi Ma, Jing Wan, Xiuling Ji* and Yujiao Tu*



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A cascade amplification strategy based on rolling circle amplification and hybridization chain reaction for ultrasensitive detection of pathogens

Hao Jiang, Xuefei Lv,^{*} Yuan Li, Yulin Deng^{*} and Shiyong Yu



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Perylene diimide-based sensors for multiple analyte sensing ($\text{Fe}^{2+}/\text{H}_2\text{S}$ / dopamine and $\text{Hg}^{2+}/\text{Fe}^{2+}$): cell imaging and INH, XOR, and encoder logic

Navdeep Kaur, Rasdeep Kour, Satwinderjeet Kaur and Prabhpreet Singh^{*}

