

Analytical Methods

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IN THIS ISSUE

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Cover

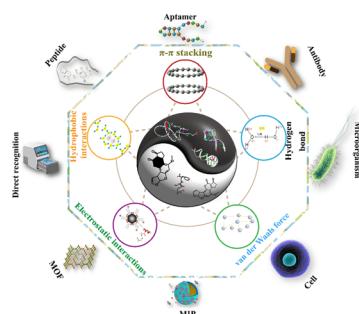
See Stefano Cinti *et al.*, pp. 2529–2535. Image reproduced by permission of Stefano Cinti from *Anal. Methods*, 2025, 17, 2529.

CRITICAL REVIEWS

2496

Rapid antibiotic biosensors based on multiple molecular recognition elements

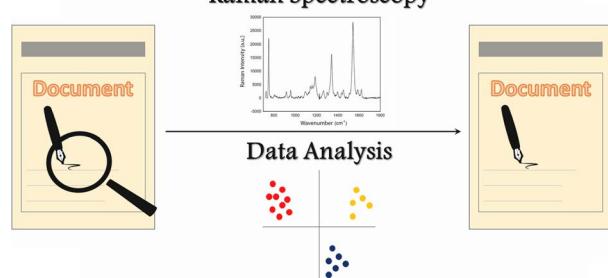
Feng Guo, Keren Chen, Jiaru Yang, Yifan Wu, Jiageng Cheng, Qian Yang, Longjiao Zhu, Jun Li* and Wentao Xu*



2515

Raman spectroscopy for forensic pen ink investigation: a review

Rosane R. Souza, Lucas M. Duarte* and Glaucio B. Ferreira*



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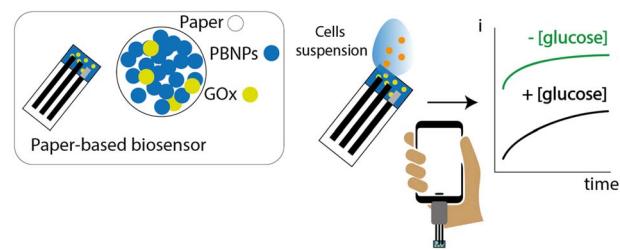
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COMMUNICATION

2529

A portable and ecological paper-based device for glucose monitoring in peripheral blood mononuclear cell lysates

Grazia Nota, Wanda Cimmino, Sima Singh, Ibrahim A. Darwish, Claudia La Rocca, Fortunata Carbone, Giuseppe Matarese and Stefano Cinti*

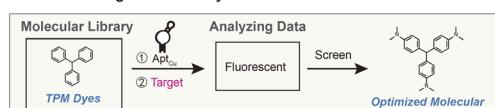


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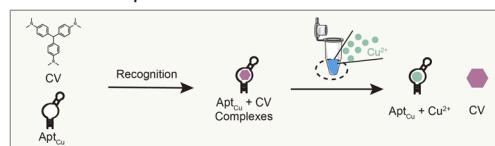
2536

Development of a novel label-free NIR aptasensor based on triphenylmethane dyes for rapid and sensitive detection of copper ions

Junhao Hu, Xinxin Li, Teck-Peng Loh* and Lingli Bu*

A. Screening of TPM library for NIR fluorescent detection of Cu^{2+} 

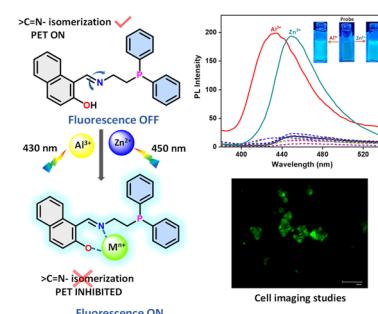
B. SN-based aptamer sensors for small molecules determination



2541

An easily synthesizable naphthalene-based sensing platform for Al^{3+} and Zn^{2+} ions: theoretical insights and live cells imaging

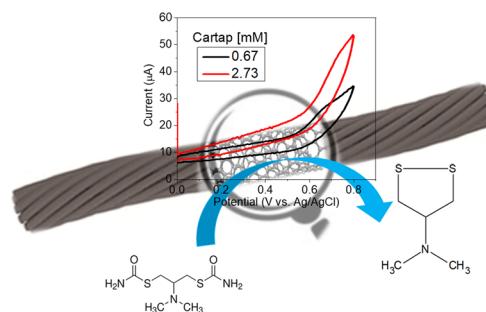
Jolly Kaushal,* Sain Singh, Heena, Saakshi Saini and Partha Roy



2550

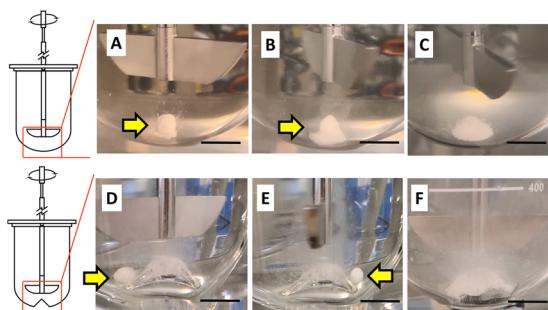
Structurally modified carbon nanotubes as twisted fibers towards electrochemical detection of environmentally hazardous cartap

Gul Tasam, Sheza Muqaddas, Abid Ali,* Maryam Kaleem, Farah Kanwal, Munawar Iqbal, Norah Alwadai and Arif Nazir



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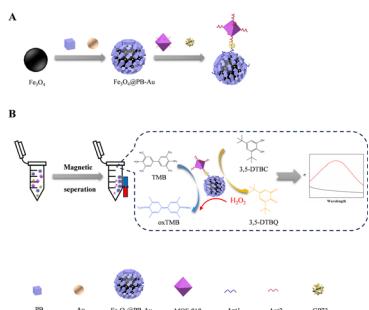
2559



Impact of mechanical calibration variations on USP prednisone PVT with standard and apex vessels

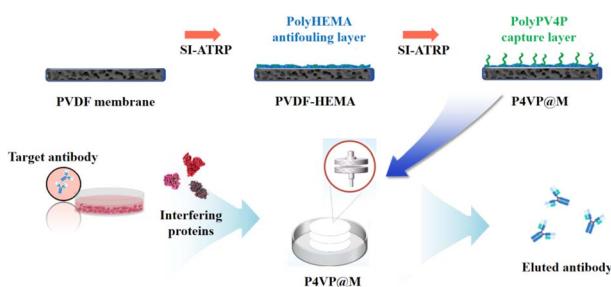
Ethan J. Pozy and Li Tian*

2567

Sensitive detection of Golgi protein 73 by magnetic separation combined with a dual nanzyme MOF-818 and magnetic nucleus@bifunctional shell ($\text{Fe}_3\text{O}_4@\text{PB-Au}$) cascade reaction catalytic amplification strategy

Wei Li, Xin Hu, Anyi Chen, Rongxin Wu and Chaorui Li*

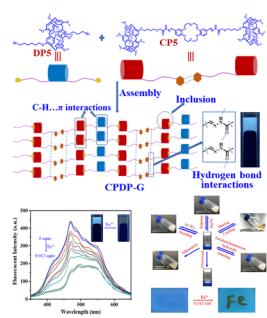
2577



A high-density 4-vinylpyridine membrane for rapid purification of antibodies

Qingrong Wu, Bin Wang and LiYun Zhang*

2586

A supramolecular polypseudorotaxane material based on novel pillar[5]arene for ultrasensitive Fe^{3+} reaction

Wen-Bo Zhu,* Xiao-Wei Zhang, Zhi-Jun Li, Li-Yuan Liu, Yu-Quan Zhang, Liang Zhang and Hui Wen

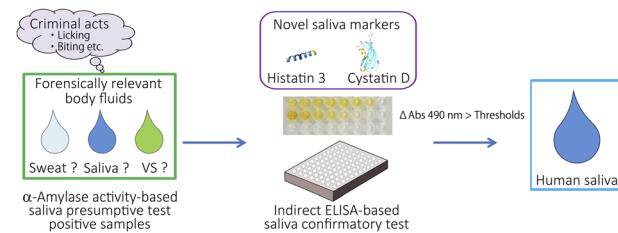


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2591

Indirect ELISA-based detection of histatin 3 and cystatin D for the forensic identification of human saliva

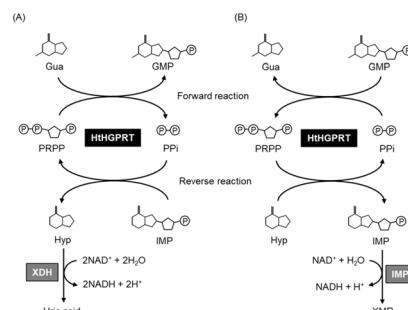
Jun Ohta,* Mana Nagata, Nanaka Noda, Saki Minegishi, Hisako Saitoh and Koichi Sakurada



2600

Enzyme cycling method using hypoxanthine-guanine phosphoribosyltransferase: a highly sensitive assay for pyrophosphate

Shigeru Ueda, Yoshiaki Yasutake, Tatsuya Hirata, Takehiko Sahara and Shin-ichi Sakasegawa*



2607

Exploration of a modified pretreatment process coupled with GC-MS/MS for determination of 18 phthalates in edible oils

Pei-Jin Wang, Long-Fei Lin, Yu-Jie Wu, Tian-Rong Guo, Quan-Wei Xiao and Wen-Lin Wu*

