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TUTORIAL REVIEW

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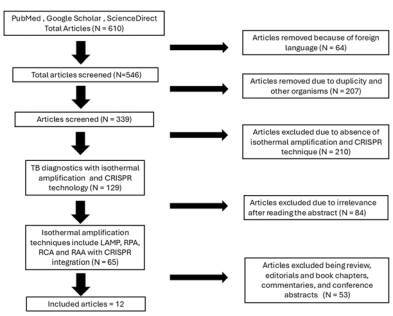
Exploring the diagnostic synergy of isothermal amplification-integrated CRISPR technology for tuberculosis: a systematic review

Ankush Kaushik, Yamini Saini, Zeeshan Fatima, Jitendra Singh* and Saif Hameed*



COMMUNICATION

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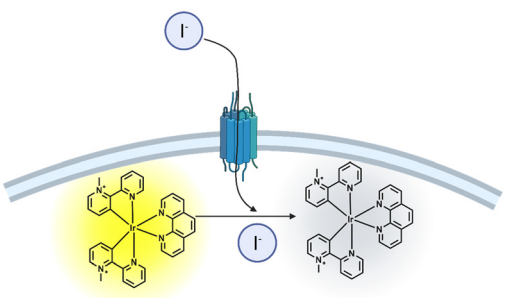
Development of a selective-iodide indicator for live-cell imaging and evaluation of CFTR activity

Jared Morse, Prasanna Ganesh, Kathrine Cowart, Gabriella Ballestas, Fung Kit Tang and Kaho Leung*



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PAPERS

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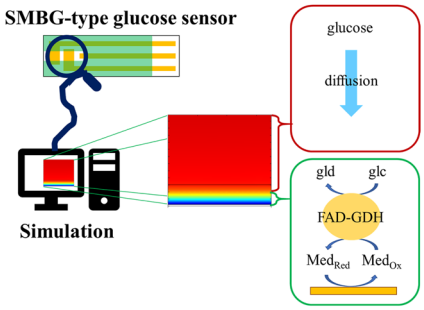
Insights into the performance-determining aspects of electrochemical biosensor strips by diffusion profile visualization using finite element method simulation

Isao Shitanda,* Masaki Mizuno, Noya Loew, Hikari Watanabe, Masayuki Itagaki and Seiya Tsujimura



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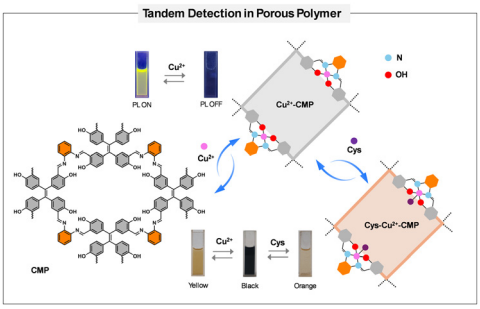
Reversible dual-mode detection of Cu^{2+} and tandem capture of cysteine using a salphen-conjugated microporous polymer

Nilojyoti Sahoo, Atul Kapoor, Monika Yadav, Saurabh Kumar Rajput and Venkata Suresh Mothika*



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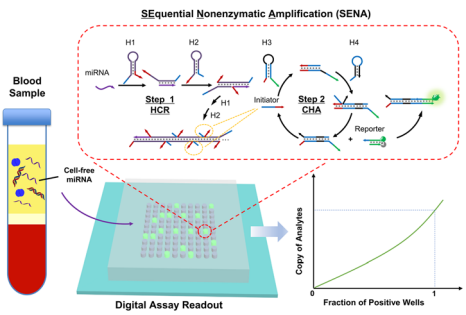
A digital nonenzymatic nucleic acid amplification assay for ultrasensitive detection of cell-free microRNA in human serum

Tao Yu, Aditi Dey Poonam, Amy Halbing, Shengwei Zhang, Yingmiao Liu, Zheng Li, William Marx, Andrew B. Nixon and Qingshan Wei*



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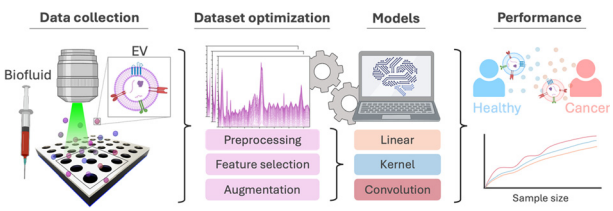
Evaluation of machine learning and deep learning models for the classification of a single extracellular vesicles spectral library

C. del Real Mata, Y. Lu, M. Jalali, A. Bocan, M. Khatami, L. Montermini, J. McCormack-Ilersich, W. W. Reisner, L. Garzia, J. Rak, D. Bzdok and S. Mahshid*



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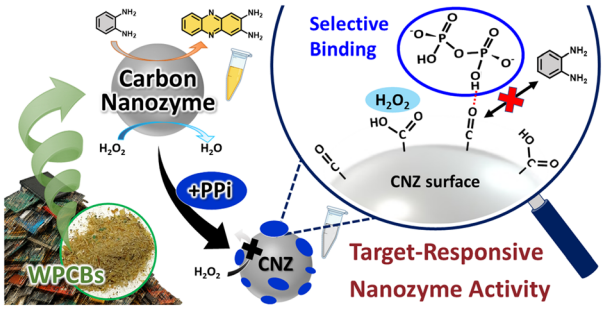

Deciphering target-binding selectivity of waste printed circuit board-derived carbon nanozymes for pyrophosphate sensing

Kai-Yu Zheng, Jia-Wei Kuo, Cheng-Yan Yeh, Yang-Wei Lin and Chong-You Chen*

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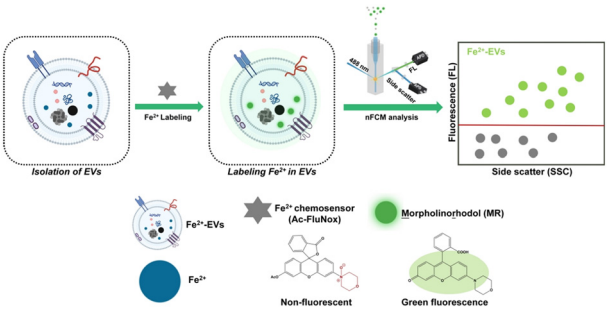

Detection of ferrous ions in extracellular vesicles at the single-particle level by nano-flow cytometry

Zuzhe Kang, Chenxi Liu, JunYan Chen, Qiujin Wu, Yunyun Hu, Haonan Di and Xiaomei Yan*

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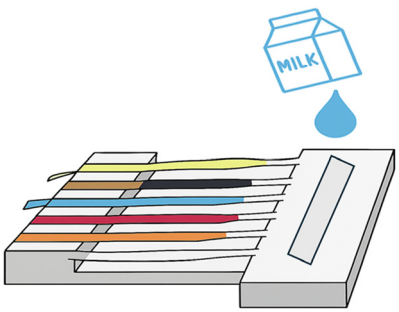

Portable paper-based microfluidic device for rapid on-site screening of milk adulterants

Anushka, Aditya Bandopadhyay* and Prasanta Kumar Das

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