

# Sensors & Diagnostics

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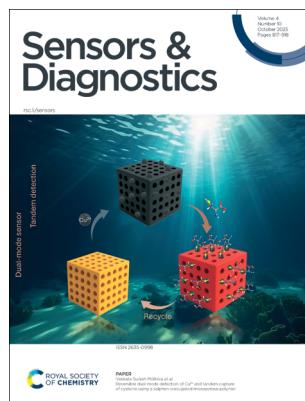
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### Cover

See Isao Shitanda *et al.*, pp. 839–845.  
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### Inside cover

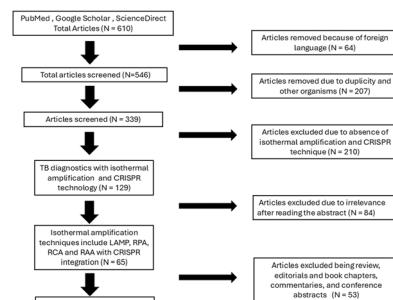
See Venkata Suresh Mothika *et al.*, pp. 846–855.  
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### Exploring the diagnostic synergy of isothermal amplification-integrated CRISPR technology for tuberculosis: a systematic review

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

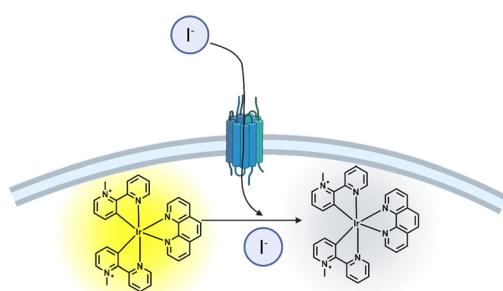


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### Development of a selective-iodide indicator for live-cell imaging and evaluation of CFTR activity

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





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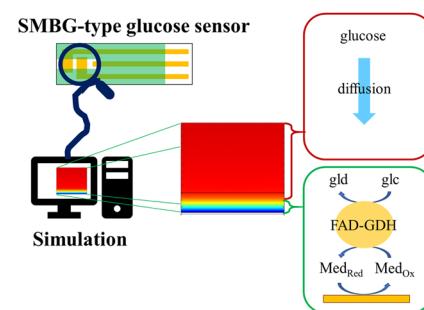


## PAPERS

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

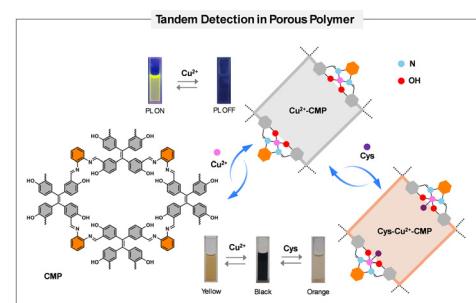
Isao Shitanda,\* Masaki Mizuno, Noya Loew, Hikari Watanabe, Masayuki Itagaki and Seiya Tsujimura



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

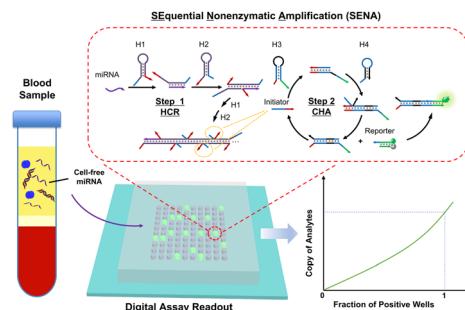
Nilojyoti Sahoo, Atul Kapoor, Monika Yadav, Saurabh Kumar Rajput and Venkata Suresh Mothika\*



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

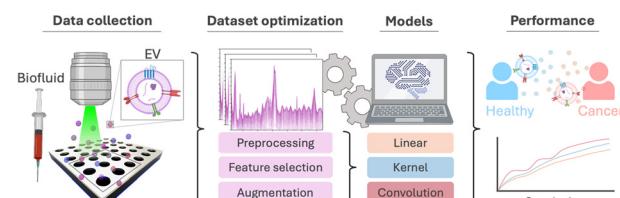
Tao Yu, Aditi Dey Poonam, Amy Halbing, Shengwei Zhang, Yingmiao Liu, Zheng Li, William Marx, Andrew B. Nixon and Qingshan Wei\*



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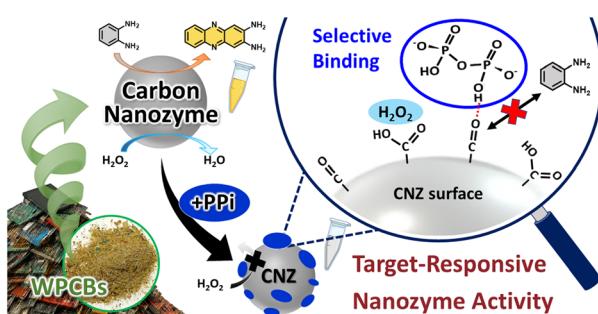
## Evaluation of machine learning and deep learning models for the classification of a single extracellular vesicles spectral library

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



## PAPERS

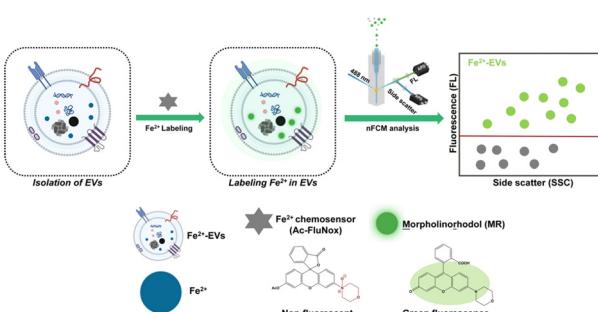
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Kai-Yu Zheng, Jia-Wei Kuo, Cheng-Yan Yeh, Yang-Wei Lin and Chong-You Chen\*

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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

