

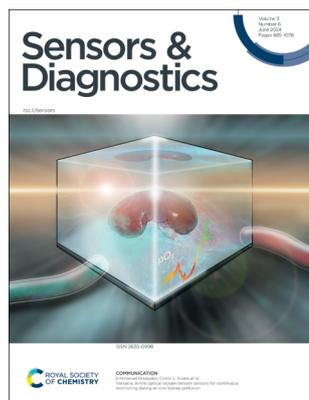
Sensors & Diagnostics

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See Emmanuel Roussakis,
Conor L. Evans *et al.*,
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CRITICAL REVIEWS

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Advances in electrochemical sensors for real-time glucose monitoring

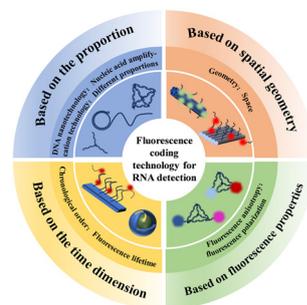
Md. Harun-Or-Rashid, Most. Nazmin Aktar,
Veronica Preda and Noushin Nasiri*



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Fluorescence coding techniques for RNA detection

Junren Wang, Qin Xiang,* Haifeng Dong*
and Xueji Zhang



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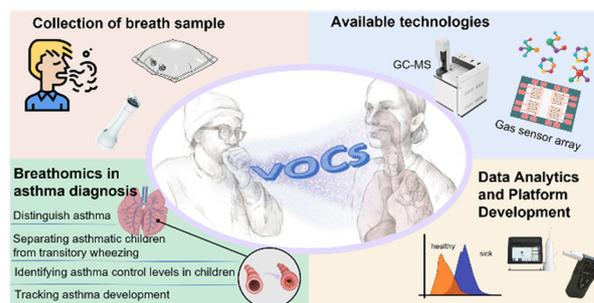


CRITICAL REVIEWS

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Application of breathomics in pediatric asthma: a review

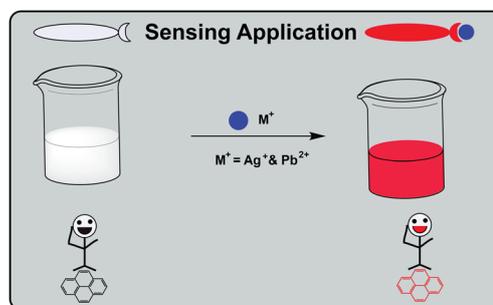
Lei Chi, Xiaoli Wang, Yuxia Shan, Chonghui Zhu, Ling Leng, Rong Chen, Qing Xie, Zhenze Cui* and Minghui Yang*



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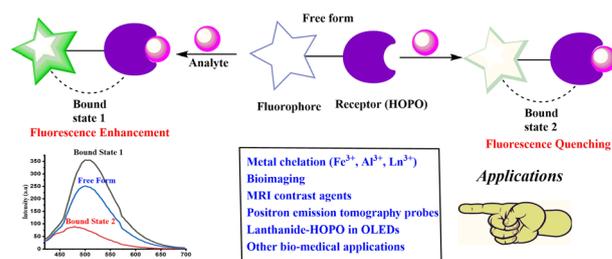
Suvendu Paul,* Prasenjit Barman, Nilanjan Dey and Michael Watkinson*



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Hydroxypyridinone based chelators: a molecular tool for fluorescence sensing and sensitization

Shalini Singh, Neha Kumari, B. K. Kanungo and Minati Baral*

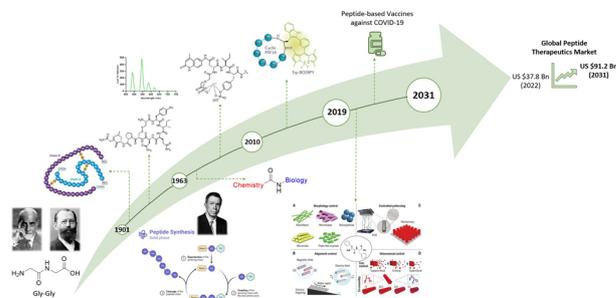


PERSPECTIVE

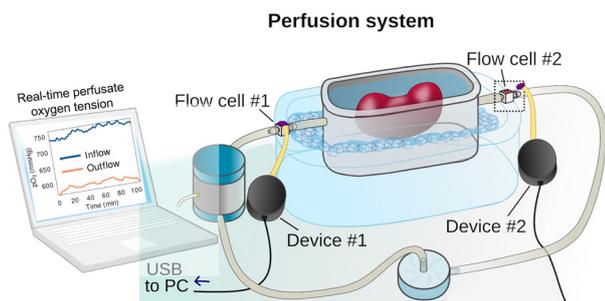
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Modified synthetic peptides: from therapeutics to chemosensors

Conor Wynne and Robert B. P. Elmes*



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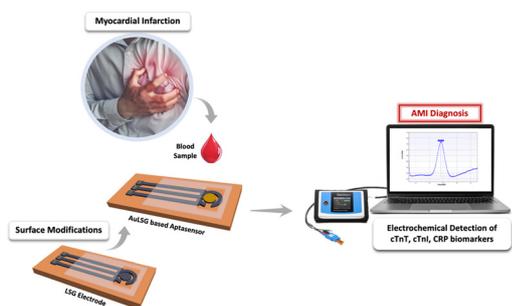


Versatile, in-line optical oxygen tension sensors for continuous monitoring during *ex vivo* kidney perfusion

Emmanuel Roussakis,* Juan Pedro Cascales, Dor Yoeli, Alexis Cralley, Avery Goss, Anna Wiatrowski, Maia Carvalho, Hunter B. Moore, Ernest E. Moore, Christene A. Huang and Conor L. Evans*

PAPERS

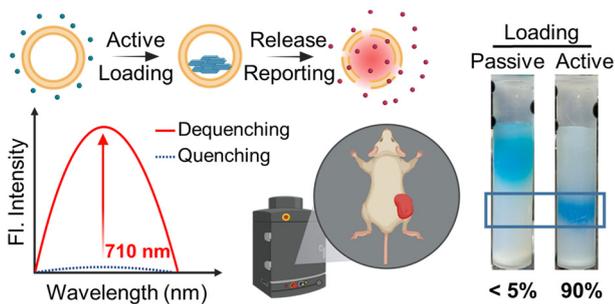
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Multiplexed aptasensor for detection of acute myocardial infarction (AMI) biomarkers

Duygu Beduk, Tutku Beduk, Abdellatif Ait Lahcen, Veerappan Mani, Emine Guler Celik, Gamze Iskenderoglu, Ferhat Demirci, Soysal Turhan, Oner Ozdogan, Su Ozgur, Tuncay Goksel, Kutsal Turhan, Khaled Nabil Salama* and Suna Timur*

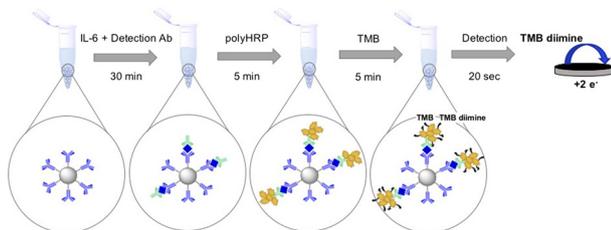
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Active loading of cyanine 5.5 derivatives into liposomes for deep self-quenching and their applications in deep tissue imaging

Chong-Yan Chen, Cheng-Bang Jian, Hua-De Gao, Xu-En Yu, Yuan-Chih Chang, Shwee Khuan Leong, Jiun-Jie Shie* and Hsien-Ming Lee*

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Electrochemical immunomagnetic assay for interleukin-6 detection in human plasma

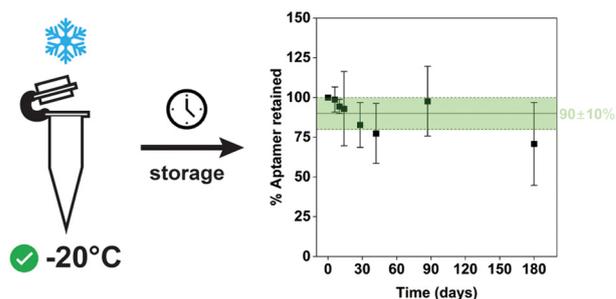
Grace Buckey, Olivia E. Owens, Hannah A. Richards and David E. Cliffler*



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Effects of storage conditions on the performance of an electrochemical aptamer-based sensor

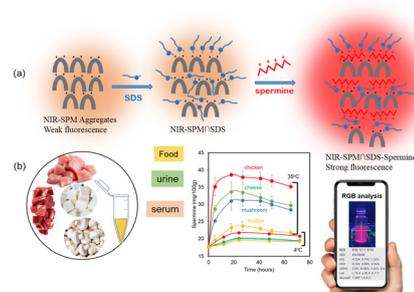
Julia Chung, Adriana Billante, Charlotte Flatebo, Kaylyn K. Leung, Julian Gerson, Nicole Emmons, Tod E. Kippin, Lior Sepunaru and Kevin W. Plaxco*



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Red and NIR active dipod-SDS self-assemblies for “turn on” quantification of spermine in serum, urine and food: smart-phone assisted on-site determination of spermine in amine-rich foods

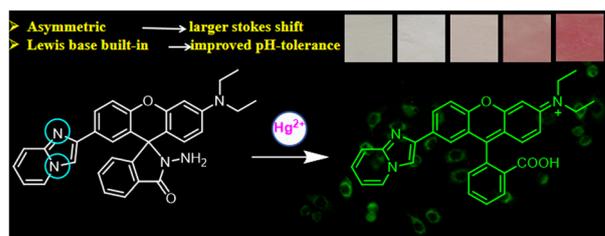
Nancy Singla,* Sukhvinder Dhiman, Manzoor Ahmad, Satwinderjeet Kaur, Prabhpreet Singh and Subodh Kumar*



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An imidazo[1,2-a]pyridine-functionalized xanthene fluorescent probe for naked-eye detection of Hg²⁺ and its application in cell imaging and test strips

Xu-Hong Han, Piao Zhao, Meng-Ke Tang, Lei Yang, Qing Wang* and Shu-Sheng Zhang*



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Aptamer-functionalized nanopipettes: a promising approach for viral fragment detection via ion current rectification

Shekemi Denuga, Dominik Duleba, Pallavi Dutta, Guerrino Macori, Damion K. Corrigan, Séamus Fanning and Robert P. Johnson*



CORRECTION

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Correction: Highly sensitive solid-state nanopore aptasensor based on target-induced strand displacement for okadaic acid detection from shellfish samples

Mohamed Amin Elaguech, Yajie Yin, Yunjiao Wang, Bing Shao,* Chaker Tlili* and Deqiang Wang*

