

# Sensors & Diagnostics

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## IN THIS ISSUE

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**Cover**  
See Mounir A. Koussa *et al.*,  
pp. 1899–1922.  
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*Sens. Diagn.*, 2024, **3**, 1899.



**Inside cover**  
See Neso Sojic *et al.*,  
pp. 1887–1898.  
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*Sens. Diagn.*, 2024, **3**, 1887.

## EDITORIAL

1886

**Towards greater accountability and trust: the launch of transparent peer review in *Sensors & Diagnostics***



## CRITICAL REVIEW

1887

**Recent advances in electrochemiluminescence immunosensing**

Jing Yu, Dalibor Stankovic, Jasmina Vidic and Neso Sojic\*





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1899

### VitalOne™: a point-of-care platform for rapid, comprehensive, central-lab quality blood testing

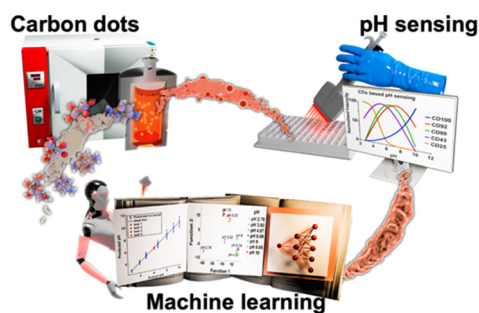
M. A. Koussa,\* M. Barreiros, P. S. Ehrlich Perez, S. R. Jean, T. C. Lee, R. MacLeod, A. Witham, G. Bhat, T. Campbell, S. Lizano, M. Toth, A. Venkateswaran, D. Yang, N. Zaman, W. Alfaqheri, A. Ardalan, L. Barbosa, M. Behrouzi, V. Borisenko, R. Chand, K. S. Ho, P. Kumar, M. Lengyel, W. Luo, F. Masum, L. Piñeros, A. R. Kozhipuram, S. Sanders, D. Santos, V. Nadella, F. Kazemzadeh and I. Khodadad



1923

### A fluorescent sensor array based on carbon dots for the accurate determination of pH

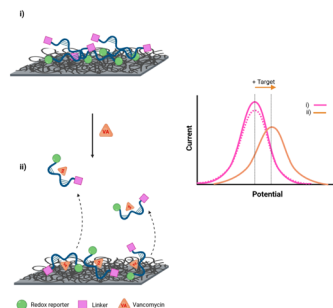
Haobo Guo, Pooria Lesani, Hala Zreiqat and Elizabeth J. New\*



1935

### Challenges in aptamer-based sensor development using carbon nanotube networks

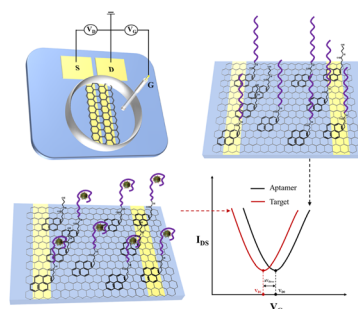
Laura Ferrer Pascual, Eero Gustafsson, Juha Siitonen, Vasuki Durairaj and Tomi Laurila\*



1947

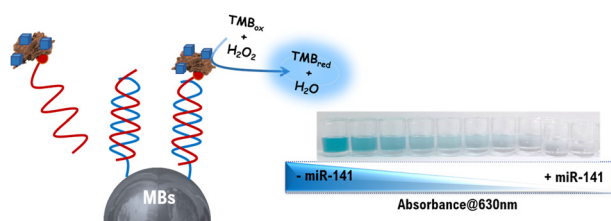
### Detection of SARS-CoV-2 and noroviruses in cold-chain food samples using aptamer-functionalized graphene field-effect transistors

Qingliu Wu, Songjia Luo, Lu Wang,\* Baolei Dong, Hao Qu\* and Lei Zheng



## PAPERS

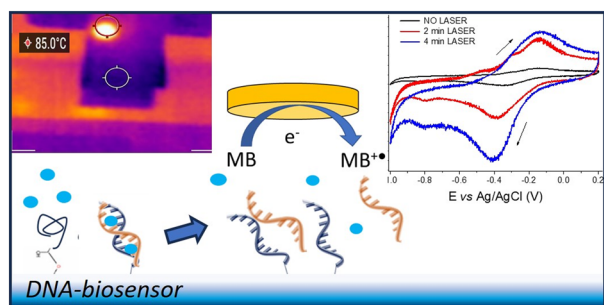
1957



### Peroxidase-mimicking Prussian blue nanoparticles versus HRP for high colorimetric detection of miRNA-141 in competitive RNA–RNA systems

Maliana El Aamri, Hasna Mohammadi and Aziz Amine\*

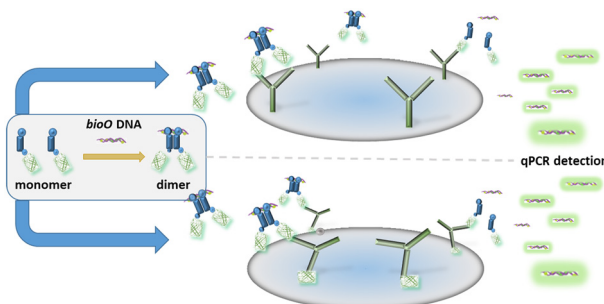
1966



### A DNA biosensor integrating surface hybridization, thermo-responsive coating, laminar-flow technology and localized photothermal effect for efficient electrochemical detection of nucleic acids

Ludovica Maugeri, Giorgia Fangano, Angelo Ferlazzo,\* Giuseppe Forte, Antonino Gulino and Salvatore Petralia\*

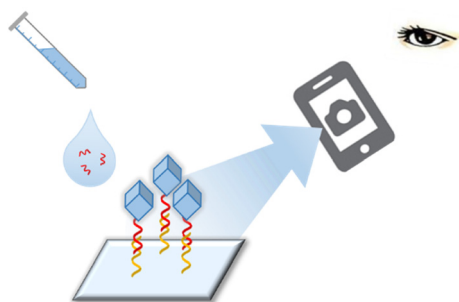
1976



### A self-assembling protein–DNA complex with an inbuilt DNA release system for quantitative immuno-PCR applications

A. E. Sorenson and P. M. Schaeffer\*

1984



### Application of surface selective site-directed crystallization in a visual assay of DNA

Jinrong Chen, Ruwen Xie, Rui Liu, Lishang Liu\* and Shusheng Zhang\*



## CORRECTION

1992

**Correction: modulation of the binding sites for an adaptable DNA interactive probe: efficient chromo-fluorogenic recognition of Al<sup>3+</sup> and live cell bioimaging**

Atanu Maji, Debarpan Mitra, Amitav Biswas, Moumita Ghosh, Rahul Naskar, Saswati Gharami, Nabendu Murmu and Tapan K. Mondal\*

