

# Integrated Point-of-Care Molecular Diagnostic Devices

Accounts of Chemical Research

54, 4107-4119

DOI: [10.1021/acs.accounts.1c00385](https://doi.org/10.1021/acs.accounts.1c00385)

Citation Report

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Mechanistic insights of CRISPR/Cas nucleases for programmable targeting and early-stage diagnosis: A review. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114033.  | 10.1 | 23        |
| 2  | Advances in the Rapid Diagnostic of Viral Respiratory Tract Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 807253.   | 3.9  | 14        |
| 3  | Multi-Reagents Dispensing Centrifugal Microfluidics for Point-of-Care Testing. <i>SSRN Electronic Journal</i> , 0, , .  | 0.4  | 0         |
| 4  | Microfluidics-based strategies for molecular diagnostics of infectious diseases. <i>Military Medical Research</i> , 2022, 9, 11.  | 3.4  | 20        |
| 5  | Virus Detection: From State-of-the-Art Laboratories to Smartphone-Based Point-of-Care Testing. <i>Advanced Science</i> , 2022, 9, e2105904.   | 11.2 | 66        |
| 6  | Multi-reagents dispensing centrifugal microfluidics for point-of-care testing. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114130.  | 10.1 | 21        |
| 7  | Integrating CRISPR/Cas within isothermal amplification for point-of-Care Assay of nucleic acid. <i>Talanta</i> , 2022, 243, 123388.   | 5.5  | 34        |
| 8  | Carbon-black-embedded poly(dimethylsiloxane)-paper hybrid device for energy-efficient nucleic-acid amplification in point-of-care testing. <i>Analytical Methods</i> , 0, , .   | 2.7  | 1         |
| 9  | Ratiometric PCR in a Portable Sample-to-Result Device for Broad-Based Pathogen Identification. <i>Analytical Chemistry</i> , 0, , .   | 6.5  | 4         |
| 10 | Rapid Extraction of Viral Nucleic Acids Using Rotating Blade Lysis and Magnetic Beads. <i>Diagnostics</i> , 2022, 12, 1995.   | 2.6  | 2         |
| 11 | A universal dual-readout viscosity flow sensor based on biotarget-triggered hyaluronidase release from aptamer-capped metal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2022, 372, 132637.                 | 7.8  | 7         |
| 12 | Loop-Mediated Isothermal Amplification: From Theory to Practice. <i>Russian Journal of Bioorganic Chemistry</i> , 2022, 48, 1159-1174.  | 1.0  | 3         |
| 13 | Sensitive and Quantitative Point-of-Care HIV Viral Load Quantification from Blood Using a Power-Free Plasma Separation and Portable Magnetofluidic Polymerase Chain Reaction Instrument. <i>Analytical Chemistry</i> , 0, , . | 6.5  | 3         |
| 14 | Internet-of-medical-things integrated point-of-care biosensing devices for infectious diseases: Toward better preparedness for futuristic pandemics. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .            | 7.1  | 13        |
| 15 | COVID-19 Detection Using a 3D-Printed Micropipette Tip and a Smartphone. <i>ACS Sensors</i> , 2023, 8, 848-857.   | 7.8  | 4         |
| 16 | Self-assembly of protein-DNA superstructures for alkaline phosphatase detection in blood. <i>Chemical Communications</i> , 2023, 59, 3399-3402.   | 4.1  | 2         |
| 17 | CRISPR-Enhanced Hydrogel Microparticles for Multiplexed Detection of Nucleic Acids. <i>Advanced Science</i> , 2023, 10, .   | 11.2 | 17        |
| 18 | Nanotechnology-Based Diagnostics for Diseases Prevalent in Developing Countries: Current Advances in Point-of-Care Tests. <i>Nanomaterials</i> , 2023, 13, 1247.  | 4.1  | 11        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | CRISPR-Cas12a Biosensor Array for Ultrasensitive Detection of Unamplified DNA with Single-Nucleotide Polymorphic Discrimination. ACS Sensors, 2023, 8, 1489-1499.   | 7.8  | 3         |
| 20 | Electrochemical-Based Biosensor Platforms in Lab-Chip Models for Point-of-Need Toxicant Analysis. Electrochem, 2023, 4, 537-552.  | 3.3  | 0         |
| 21 | Programmable Gravity Self-Driven Microfluidic Chip for Point-of-Care Multiplied Immunoassays. Small, 2023, 19, 2157-2164.   | 10.0 | 1         |
| 22 | A portable all-in-one microfluidic device with real-time colorimetric LAMP for HPV16 and HPV18 DNA point-of-care testing. Biosensors and Bioelectronics, 2024, 248, 115968.                                   | 10.1 | 0         |
| 23 | Role of 3D printing in microfluidics and applications. , 2024, , 67-107.  |      | 0         |
| 24 | METHODOLOGICAL APPROACHES TO THE VERIFICATION OF CAUSES OF INFECTIOUS DISEASES IN EMERGENCIES. , 2023, 1, 33-41.  |      | 0         |
| 25 | Fast detection of bacterial gut pathogens on miniaturized devices: an overview. Expert Review of Molecular Diagnostics, 2024, 24, 201-218.  | 3.1  | 1         |
| 26 | Multiplexed electrochemical nucleic acid sensor based on visible light-mediated metal-free thiol-yne click reaction for simultaneous detection of different nucleic acid targets. Talanta, 2024, 273, 125856. | 5.5  | 0         |
| 27 | Plasmonic Fluorescence Sensors in Diagnosis of Infectious Diseases. Biosensors, 2024, 14, 130.  | 4.7  | 0         |