

Portable Smartphone-Based QDs for the Visual Onsite Monitoring of Antibiotics in Actual Food and Environmental Samples

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Smartphones and Test Paper-Assisted Ratiometric Fluorescent Sensors for Semi-Quantitative and Visual Assay of Tetracycline Based on the Target-Induced Synergistic Effect of Antenna Effect and Inner Filter Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47099-47107.	8.0	105
2	Big Data in food safety- A review. <i>Current Opinion in Food Science</i> , 2020, 36, 24-32.	8.0	73
3	Ratiometric Dual Signal-Enhancing-Based Electrochemical Biosensor for Ultrasensitive Kanamycin Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52713-52720.	8.0	79
4	Engineering of a Dual-Recognition Ratiometric Fluorescent Nanosensor with a Remarkably Large Stokes Shift for Accurate Tracking of Pathogenic Bacteria at the Single-Cell Level. <i>Analytical Chemistry</i> , 2020, 92, 13396-13404.	6.5	74
5	Monitoring of reaction kinetics and determination of trace water in hydrophobic organic solvents by a smartphone-based ratiometric fluorescence device. <i>Mikrochimica Acta</i> , 2020, 187, 564.	5.0	9
6	A smartphone-integrated ratiometric fluorescence sensor for visual detection of cadmium ions. <i>Journal of Hazardous Materials</i> , 2021, 408, 124872.	12.4	81
7	Ionic Liquid-Functionalized Magnetic Metal-Organic Framework Nanocomposites for Efficient Extraction and Sensitive Detection of Fluoroquinolone Antibiotics in Environmental Water. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5357-5367.	8.0	75
8	Challenges and potential solutions for nanosensors intended for use with foods. <i>Nature Nanotechnology</i> , 2021, 16, 251-265.	31.5	79
9	Rapid methods for antimicrobial resistance diagnosis in contaminated soils for effective remediation strategy. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 137, 116203.	11.4	7
10	Portable smartphone device-based multi-signal sensing system for on-site and visual determination of alkaline phosphatase in human serum. <i>Mikrochimica Acta</i> , 2021, 188, 157.	5.0	4
11	Smartphones as tools for equitable food quality assessment. <i>Trends in Food Science and Technology</i> , 2021, 111, 271-279.	15.1	33
12	Development and Application of Mobile Apps for Molecular Sensing: A Review. <i>ACS Sensors</i> , 2021, 6, 1731-1744.	7.8	38
13	ASSURED Point-of-Need Food Safety Screening: A Critical Assessment of Portable Food Analyzers. <i>Foods</i> , 2021, 10, 1399.	4.3	28
14	pH-Regulated H ₄ TCPE@Eu/AMP ICP Sensor Array and Its Fingerprinting on Test Papers: Toward Point-of-Use Systematic Analysis of Environmental Antibiotics. <i>Analytical Chemistry</i> , 2021, 93, 9183-9192.	6.5	39
15	Novel luminescent techniques in aid of food quality, product development, and food processing. <i>Current Opinion in Food Science</i> , 2021, 42, 148-156.	8.0	7
16	Profiling the interaction of a novel toxic pyruvate dehydrogenase kinase inhibitor with human serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 256, 119733.	3.9	3
17	Recent progress in smartphone-based techniques for food safety and the detection of heavy metal ions in environmental water. <i>Chemosphere</i> , 2021, 275, 130096.	8.2	88
18	Perovskite Nanomaterial-Engineered Multiplex-Mode Fluorescence Sensing of Edible Oil Quality. <i>Analytical Chemistry</i> , 2021, 93, 11033-11042.	6.5	32

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19	Ratiometric fluorescence and smartphone dual-mode detection of glutathione using carbon dots coupled with Ag ⁺ -triggered oxidation of o-phenylenediamine. <i>Nanotechnology</i> , 2021, 32, 445501.	2.6	4
20	High efficiency fluorescent probe constructed by Cd(II) complex for detecting nitro compounds and antibiotics. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6414.	3.5	5
21	Recent advances in quantum dots-based biosensors for antibiotics detection. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 355-364.	5.3	59
22	Advances in Antimicrobial Resistance Monitoring Using Sensors and Biosensors: A Review. <i>Chemosensors</i> , 2021, 9, 232.	3.6	23
23	Emerging graphene-based sensors for the detection of food adulterants and toxicants – A review. <i>Food Chemistry</i> , 2021, 355, 129547.	8.2	27
24	A portable smartphone-assisted ratiometric fluorescence sensor for intelligent and visual detection of malachite green. <i>Food Chemistry</i> , 2022, 371, 131164.	8.2	62
25	A fluorescence color card for point-of-care testing (POCT) and its application in simultaneous detection. <i>Analyst</i> , 2021, 146, 5074-5080.	3.5	7
26	Liposome-encapsulated aggregation-induced emission fluorogen assisted with portable smartphone for dynamically on-site imaging of residual tetracycline. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130871.	7.8	51
27	Multiwalled Carbon Nanotubes-Encapsulated Gellan Gum Membrane for Micro-Solid Phase Extraction of Selected Polycyclic Aromatic Hydrocarbons in Environmental Water and Beverages. <i>Chromatographia</i> , 2022, 85, 23-33.	1.3	3
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29	Quantum dots based sensitive nanosensors for detection of antibiotics in natural products: A review. <i>Science of the Total Environment</i> , 2022, 810, 151997.	8.0	47
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33	Ratiometric fluorescent signals-driven smartphone-based portable sensors for onsite visual detection of food contaminants. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214442.	18.8	93
34	Investigation on detoxication effects of 2-hydroxypropyl-β-cyclodextrin over two halogenated aromatic DBPs 2,4,6-trichlorophenol and 2,4,6-tribromophenol binding with human serum albumin. <i>Food Chemistry</i> , 2022, 382, 132349.	8.2	3
35	Nature-Inspired Nanozymes as Signal Markers for In-Situ Signal Amplification Strategy: A Portable Dual-Colorimetric Immunochromatographic Analysis Based on Smartphone. <i>SSRN Electronic Journal</i> , 0, .	0.4	0
36	Blocking the Cu (II) Ions Mediated Catalytical Ability for Construction of Ratiometric Fluorescence Sensing Platform Based on Glutathione-Stabilized Copper Nanoclusters. <i>Journal of the Electrochemical Society</i> , 2022, 169, 037529.	2.9	17

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37	Engineering of Portable Smartphone Integrated with Liposome-Encapsulated Curcumin for Onsite Visual Ratiometric Fluorescence Imaging of Hypochlorite. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	8
38	A Ratiometric Fiber Optic Sensor Based on CdTe QDs Functionalized with Glutathione and Mercaptopropionic Acid for On-Site Monitoring of Antibiotic Ciprofloxacin in Aquaculture Water. <i>Nanomaterials</i> , 2022, 12, 829.	4.1	13
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43	Engineering of 2D artificial nanozyme-based blocking effect-triggered colorimetric sensor for onsite visual assay of residual tetracycline in milk. <i>Mikrochimica Acta</i> , 2022, 189, .	5.0	13
44	FRET-based innovative assays for precise detection of the residual heavy metals in food and agriculture-related matrices. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214676.	18.8	30
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53	Metrological traceability in process analytical technologies and point-of-need technologies for food safety and quality control: not a straightforward issue. <i>Analytical and Bioanalytical Chemistry</i> , 2023, 415, 119-135.	3.7	4
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56	Novel biosensor platform for glucose monitoring via smartphone based on battery-less NFC potentiostat. <i>Talanta</i> , 2023, 256, 124266.	5.5	12
57	Smartphone-Facilitated Mobile Colorimetric Probes for Rapid Monitoring of Chemical Contaminations in Food: Advances and Outlook. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-19.	3.5	8
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60	PAMAM dendrimer-based tongue rapidly identifies multiple antibiotics. <i>Sensors and Actuators B: Chemical</i> , 2023, 382, 133519.	7.8	1
61	Multi-color fluorescence sensing platform for visual determination of norfloxacin based on a terbium (D ³⁺) functionalized covalent organic framework. <i>Food Chemistry</i> , 2023, 417, 135883.	8.2	16
62	Highly sensitive fluorescent turn-on lateral flow strip for chlorothalonil based on an indicator displacement ratiometric fluorescent assay. <i>Sensors and Actuators B: Chemical</i> , 2023, 381, 133414.	7.8	3
63	Luminescent lanthanide metallogel as a sensor array to efficiently discriminate various saccharides. <i>Journal of Molecular Liquids</i> , 2023, 376, 121447.	4.9	2
64	Developing an analytical framework for estimating food security indicators in the United Arab Emirates: A review. <i>Environment, Development and Sustainability</i> , 2024, 26, 5689-5708.	5.0	3
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71	Cobalt-iron mixed-metal-organic framework (Co ₃ Fe-MMOF) with high oxidase mimicking activity for sensitive colorimetric detection of glutathione. <i>Journal of Food Composition and Analysis</i> , 2023, 122, 105472.	3.9	0
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74	Butanol accelerated entropy-driven DNA walking machine for rapid and ultrasensitive determination of alkaline phosphatase activity. <i>Talanta</i> , 2023, 265, 124879.	5.5	0
75	Editable Au NCs@ZIF-8 nanomaterial-modified paper in situ as well as portable smartphone-assisted sensing assay for the highly sensitive Cu (II) detection in Wilson's disease. <i>Sensors and Actuators B: Chemical</i> , 2023, 393, 134225.	7.8	1
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