

Wei Chen

List of Publications by Year in descending order

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126
papers

6,402
citations

57631

44
h-index

74018

75
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127
all docs

127
docs citations

127
times ranked

8064
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Smart Electronic Yarns and Wearable Fabrics for Human Biomonitoring made by Carbon Nanotube Coating with Polyelectrolytes. <i>Nano Letters</i> , 2008, 8, 4151-4157. | 4.5 | 496 |
| 2 | Simple, Rapid, Sensitive, and Versatile SWNT [~] Paper Sensor for Environmental Toxin Detection Competitive with ELISA. <i>Nano Letters</i> , 2009, 9, 4147-4152. | 4.5 | 249 |
| 3 | Side-by-Side and End-to-End Gold Nanorod Assemblies for Environmental Toxin Sensing. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5472-5475. | 7.2 | 239 |
| 4 | Nanoparticle Superstructures Made by Polymerase Chain Reaction: Collective Interactions of Nanoparticles and a New Principle for Chiral Materials. <i>Nano Letters</i> , 2009, 9, 2153-2159. | 4.5 | 228 |
| 5 | Fabricated aptamer-based electrochemical "signal-off" sensor of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2010, 26, 710-716. | 5.3 | 203 |
| 6 | Ultrasensitive one-step rapid visual detection of bisphenol A in water samples by label-free aptasensor. <i>Biosensors and Bioelectronics</i> , 2013, 39, 26-30. | 5.3 | 182 |
| 7 | Fluorescent strip sensor for rapid determination of toxins. <i>Chemical Communications</i> , 2011, 47, 1574-1576. | 2.2 | 146 |
| 8 | An aptamer-based chromatographic strip assay for sensitive toxin semi-quantitative detection. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3059-3062. | 5.3 | 138 |
| 9 | Crown ether assembly of gold nanoparticles: Melamine sensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2032-2037. | 5.3 | 128 |
| 10 | Nanoparticle-based environmental sensors. <i>Materials Science and Engineering Reports</i> , 2010, 70, 265-274. | 14.8 | 123 |
| 11 | Rolling Chain Amplification Based Signal-Enhanced Electrochemical Aptasensor for Ultrasensitive Detection of Ochratoxin A. <i>Analytical Chemistry</i> , 2013, 85, 10842-10849. | 3.2 | 112 |
| 12 | Alloyed semiconductor nanocrystals with broad tunable band gaps. <i>Chemical Communications</i> , 2009, , 4221. | 2.2 | 111 |
| 13 | Synthesis of Quaternary Semiconductor Nanocrystals with Tunable Band Gaps. <i>Chemistry of Materials</i> , 2009, 21, 2489-2493. | 3.2 | 102 |
| 14 | Simultaneous and sensitive determination of multiplex chemical residues based on multicolor quantum dot probes. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3657-3662. | 5.3 | 99 |
| 15 | Hetero-enzyme-based two-round signal amplification strategy for trace detection of aflatoxin B1 using an electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2016, 80, 574-581. | 5.3 | 99 |
| 16 | Polyaniline/Fe ₃ O ₄ Nanoparticle Composite: Synthesis and Reaction Mechanism. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5052-5058. | 1.2 | 98 |
| 17 | One-step signal amplified lateral flow strip biosensor for ultrasensitive and on-site detection of bisphenol A (BPA) in aqueous samples. <i>Biosensors and Bioelectronics</i> , 2013, 49, 457-461. | 5.3 | 92 |
| 18 | Electrochemical aptasensor for the determination of bisphenol A in drinking water. <i>Mikrochimica Acta</i> , 2013, 180, 109-115. | 2.5 | 89 |

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|----|--|-----|-----------|
| 19 | Multifunctional Magnetoplasmonic Nanoparticle Assemblies for Cancer Therapy and Diagnostics (Theranostics). <i>Macromolecular Rapid Communications</i> , 2010, 31, 228-236. | 2.0 | 86 |
| 20 | Recent trends in SELEX technique and its application to food safety monitoring. <i>Mikrochimica Acta</i> , 2014, 181, 479-491. | 2.5 | 86 |
| 21 | ZIF-67 derived porous Co ₃ O ₄ hollow nanopolyhedron functionalized solution-gated graphene transistors for simultaneous detection of glucose and uric acid in tears. <i>Biosensors and Bioelectronics</i> , 2018, 101, 21-28. | 5.3 | 84 |
| 22 | MWCNTs based high sensitive lateral flow strip biosensor for rapid determination of aqueous mercury ions. <i>Biosensors and Bioelectronics</i> , 2016, 85, 331-336. | 5.3 | 82 |
| 23 | Ultrasensitive one-step rapid detection of ochratoxin A by the folding-based electrochemical aptasensor. <i>Analytica Chimica Acta</i> , 2012, 753, 27-31. | 2.6 | 81 |
| 24 | Nondestructive determination of transgenic <i>Bacillus thuringiensis</i> rice seeds (<i>Oryza sativa</i> L.) using multispectral imaging and chemometric methods. <i>Food Chemistry</i> , 2014, 153, 87-93. | 4.2 | 80 |
| 25 | Lateral flow test for visual detection of multiple MicroRNAs. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 320-326. | 4.0 | 80 |
| 26 | Feasibility in multispectral imaging for predicting the content of bioactive compounds in intact tomato fruit. <i>Food Chemistry</i> , 2015, 173, 482-488. | 4.2 | 78 |
| 27 | Aptamer-mediated colorimetric method for rapid and sensitive detection of chloramphenicol in food. <i>Food Chemistry</i> , 2018, 260, 208-212. | 4.2 | 74 |
| 28 | Rapid and accurate detection of <i>Escherichia coli</i> O157:H7 in beef using microfluidic wax-printed paper-based ELISA. <i>Analyst</i> , 2020, 145, 3106-3115. | 1.7 | 72 |
| 29 | Rapid and sensitive detection of microcystin by immunosensor based on nuclear magnetic resonance. <i>Biosensors and Bioelectronics</i> , 2009, 25, 240-243. | 5.3 | 70 |
| 30 | Development and validation of an immunochromatographic assay for rapid multi-residues detection of cepheids in milk. <i>Analytica Chimica Acta</i> , 2009, 634, 129-133. | 2.6 | 68 |
| 31 | Aptamer-Based Technologies in Foodborne Pathogen Detection. <i>Frontiers in Microbiology</i> , 2016, 7, 1426. | 1.5 | 68 |
| 32 | Application of Multispectral Imaging to Determine Quality Attributes and Ripeness Stage in Strawberry Fruit. <i>PLoS ONE</i> , 2014, 9, e87818. | 1.1 | 67 |
| 33 | Ultrasensitive detection of mercury with a novel one-step signal amplified lateral flow strip based on gold nanoparticle-labeled ssDNA recognition and enhancement probes. <i>Biosensors and Bioelectronics</i> , 2014, 61, 14-20. | 5.3 | 65 |
| 34 | Immunochromatographic lateral flow strip for on-site detection of bisphenol A. <i>Mikrochimica Acta</i> , 2013, 180, 279-285. | 2.5 | 62 |
| 35 | An ultrasensitive signal-on electrochemical aptasensor for ochratoxin A determination based on DNA controlled layer-by-layer assembly of dual gold nanoparticle conjugates. <i>Biosensors and Bioelectronics</i> , 2018, 117, 845-851. | 5.3 | 61 |
| 36 | Rolling circle amplification based amperometric aptamer/immuno hybrid biosensor for ultrasensitive detection of <i>Vibrio parahaemolyticus</i> . <i>Mikrochimica Acta</i> , 2017, 184, 3477-3485. | 2.5 | 60 |

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|----|---|-----|-----------|
| 37 | Effects of Quantum Dots in Polymerase Chain Reaction. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7637-7641. | 1.2 | 57 |
| 38 | Development of an Enzyme-Linked Immunosorbent Assay for the $\hat{\pm}$ -Cyano Pyrethroids Multiresidue in Tai Lake Water. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 3033-3039. | 2.4 | 55 |
| 39 | Natural Integrated Carbon Architecture for Rechargeable Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 666-670. | 3.2 | 55 |
| 40 | Gold nanoparticles based lateral flow immunoassay with largely amplified sensitivity for rapid melamine screening. <i>Mikrochimica Acta</i> , 2016, 183, 1989-1994. | 2.5 | 54 |
| 41 | Synthesis of immunomagnetic nanoparticles and their application in the separation and purification of CD34 + hematopoietic stem cells. <i>Applied Surface Science</i> , 2006, 253, 1762-1769. | 3.1 | 50 |
| 42 | A novel GMO biosensor for rapid ultrasensitive and simultaneous detection of multiple DNA components in GMO products. <i>Biosensors and Bioelectronics</i> , 2015, 66, 431-437. | 5.3 | 50 |
| 43 | <i>In Vitro</i> Isothermal Nucleic Acid Amplification Assisted Surface-Enhanced Raman Spectroscopic for Ultrasensitive Detection of <i>Vibrio parahaemolyticus</i> . <i>Analytical Chemistry</i> , 2017, 89, 9775-9780. | 3.2 | 49 |
| 44 | Nondestructive and intuitive determination of circadian chlorophyll rhythms in soybean leaves using multispectral imaging. <i>Scientific Reports</i> , 2015, 5, 11108. | 1.6 | 46 |
| 45 | Ingenious Design of DNA Concatamers and G-Quadruplex Wires Assisted Assembly of Multibranch DNA Nanoarchitectures for Ultrasensitive Biosensing of miRNA. <i>Analytical Chemistry</i> , 2019, 91, 9747-9753. | 3.2 | 46 |
| 46 | Ultrasensitive immunoassay of 7-aminoclonazepam in human urine based on CdTe nanoparticle bioconjugations by fabricated microfluidic chip. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2051-2056. | 5.3 | 45 |
| 47 | Ultrasensitive Detection of Trace Protein by Western Blot Based on POLY-Quantum Dot Probes. <i>Analytical Chemistry</i> , 2009, 81, 9194-9198. | 3.2 | 43 |
| 48 | Effect of BPA on the germination, root development, seedling growth and leaf differentiation under different light conditions in <i>Arabidopsis thaliana</i> . <i>Chemosphere</i> , 2013, 93, 2585-2592. | 4.2 | 43 |
| 49 | Prediction, evaluation, confirmation, and elimination of matrix effects for lateral flow test strip based rapid and on-site detection of aflatoxin B1 in tea soups. <i>Food Chemistry</i> , 2020, 328, 127081. | 4.2 | 42 |
| 50 | Production of new class-specific polyclonal antibody for determination of fluoroquinolones antibiotics by indirect competitive ELISA. <i>Food and Agricultural Immunology</i> , 2008, 19, 251-264. | 0.7 | 41 |
| 51 | Potential of multispectral imaging for real-time determination of colour change and moisture distribution in carrot slices during hot air dehydration. <i>Food Chemistry</i> , 2016, 195, 110-116. | 4.2 | 41 |
| 52 | Non-destructive determination and visualisation of insoluble and soluble dietary fibre contents in fresh-cut celeries during storage periods using hyperspectral imaging technique. <i>Food Chemistry</i> , 2017, 228, 249-256. | 4.2 | 41 |
| 53 | Highly sensitive detection of gallic acid based on organic electrochemical transistors with poly(diallyldimethylammonium chloride) and carbon nanomaterials nanocomposites functionalized gate electrodes. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 235-242. | 4.0 | 41 |
| 54 | Rapid visual sensing and quantitative identification of duck meat in adulterated beef with a lateral flow strip platform. <i>Food Chemistry</i> , 2019, 294, 224-230. | 4.2 | 40 |

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|----|--|-----|-----------|
| 55 | Multispectral imaging for rapid and non-destructive determination of aerobic plate count (APC) in cooked pork sausages. <i>Food Research International</i> , 2014, 62, 902-908. | 2.9 | 39 |
| 56 | Integrated platform with magnetic purification and rolling circular amplification for sensitive fluorescent detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2015, 74, 534-538. | 5.3 | 39 |
| 57 | Rapid and ultrasensitive colorimetric detection of mercury(II) by chemically initiated aggregation of gold nanoparticles. <i>Mikrochimica Acta</i> , 2015, 182, 2147-2154. | 2.5 | 37 |
| 58 | Development of a sensitive heterologous ELISA method for analysis of acetylgestagen residues in animal fat. <i>Food Chemistry</i> , 2008, 109, 647-653. | 4.2 | 36 |
| 59 | G-quadruplex DNAzyme-based microcystin-LR (toxin) determination by a novel immunosensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4393-4398. | 5.3 | 36 |
| 60 | Recent advances in electrocatalysts for non-aqueous Li-O ₂ batteries. <i>Chinese Chemical Letters</i> , 2017, 28, 709-718. | 4.8 | 36 |
| 61 | New Synthesis Strategy for DNA Functional Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3243-3249. | 1.5 | 33 |
| 62 | Rapid and non-destructive identification of water-injected beef samples using multispectral imaging analysis. <i>Food Chemistry</i> , 2016, 190, 938-943. | 4.2 | 33 |
| 63 | Screening and preliminary application of a DNA aptamer for rapid detection of Salmonella O8. <i>Mikrochimica Acta</i> , 2012, 178, 237-244. | 2.5 | 32 |
| 64 | Rapid capacitive detection of femtomolar levels of bisphenol A using an aptamer-modified disposable microelectrode array. <i>Mikrochimica Acta</i> , 2015, 182, 2361-2367. | 2.5 | 32 |
| 65 | A sensitive multiplex PCR protocol for simultaneous detection of chicken, duck, and pork in beef samples. <i>Journal of Food Science and Technology</i> , 2019, 56, 1266-1274. | 1.4 | 31 |
| 66 | Highly sensitive solution-gated graphene transistor based sensor for continuous and real-time detection of free chlorine. <i>Analytica Chimica Acta</i> , 2018, 1033, 65-72. | 2.6 | 30 |
| 67 | Automated and ultrasensitive detection of methyl-3-quinoxaline-2-carboxylic acid by using gold nanoparticles probes SIA-rt-PCR. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2858-2863. | 5.3 | 29 |
| 68 | Rapid DNA detection by interface PCR on nanoparticles. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2495-2499. | 5.3 | 27 |
| 69 | Highly sensitive and selective sulfite sensors based on solution-gated graphene transistors with multi-walled carbon nanotube functionalized gate electrodes. <i>Food Chemistry</i> , 2019, 290, 101-106. | 4.2 | 27 |
| 70 | Ingenious Electrochemiluminescence Bioaptasensor Based on Synergistic Effects and Enzyme-Driven Programmable 3D DNA Nanoflowers for Ultrasensitive Detection of Aflatoxin B1. <i>Analytical Chemistry</i> , 2020, 92, 14122-14129. | 3.2 | 27 |
| 71 | Carbon nanotube-based lateral flow immunoassay for ultrasensitive detection of proteins: application to the determination of IgG. <i>Mikrochimica Acta</i> , 2019, 186, 436. | 2.5 | 26 |
| 72 | Colorimetric Integrated PCR Protocol for Rapid Detection of <i>Vibrio parahaemolyticus</i> . <i>Sensors</i> , 2016, 16, 1600. | 2.1 | 25 |

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|----|---|-----|-----------|
| 73 | Unique role of β -cyclodextrin in modifying aggregation of Triton X-114 in aqueous solutions. <i>Soft Matter</i> , 2012, 8, 3856. | 1.2 | 23 |
| 74 | Signal amplified enzyme-linked immunosorbent assay with gold nanoparticles for sensitive detection of trace furaltadone metabolite. <i>Microchemical Journal</i> , 2020, 159, 105414. | 2.3 | 23 |
| 75 | Development of an immunochromatographic assay for rapid detection of β -aminohydantoin in urine specimens. <i>Biomedical Chromatography</i> , 2009, 23, 308-314. | 0.8 | 22 |
| 76 | Smart engineering of a dual-DNA machine with a high signal-to-noise ratio for one-pot robust and sensitive miRNA signaling. <i>Chemical Communications</i> , 2019, 55, 14367-14370. | 2.2 | 22 |
| 77 | Rapid and simultaneous visual screening of SARS-CoV-2 and influenza viruses with customized isothermal amplification integrated lateral flow strip. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113771. | 5.3 | 22 |
| 78 | Triggering Isothermal Circular Amplification-Based Tuning of Rigorous Fluorescence Quenching into Complete Restoration on a Multivalent Aptamer Probe Enables Ultrasensitive Detection of <i>Salmonella</i> . <i>Analytical Chemistry</i> , 2022, 94, 1357-1364. | 3.2 | 22 |
| 79 | Development of an Indirect Enzyme-Linked Immunosorbent Assay for the Organophosphorus Pesticide Paraoxon-Methyl. <i>Immunological Investigations</i> , 2009, 38, 510-525. | 1.0 | 21 |
| 80 | Circadian Clock Mediates Light/Dark Preference in Zebrafish (<i>Danio Rerio</i>). <i>Zebrafish</i> , 2014, 11, 115-121. | 0.5 | 21 |
| 81 | Magnetic microparticle-based SELEX process for the identification of highly specific aptamers of heart marker-brain natriuretic peptide. <i>Mikrochimica Acta</i> , 2015, 182, 331-339. | 2.5 | 21 |
| 82 | Determination of 17β -estradiol by surface-enhanced Raman spectroscopy merged with hybridization chain reaction amplification on Au@Ag core-shell nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 52. | 2.5 | 20 |
| 83 | Simultaneous and accurate visual identification of chicken, duck and pork components with the molecular amplification integrated lateral flow strip. <i>Food Chemistry</i> , 2021, 339, 127891. | 4.2 | 20 |
| 84 | Analytical Methods for the Detection of Corticosteroids-Residues in Animal-Derived Foodstuffs. <i>Critical Reviews in Analytical Chemistry</i> , 2008, 38, 227-241. | 1.8 | 19 |
| 85 | Facile preparation of fluorescence-encoded microspheres based on microfluidic system. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 337-342. | 5.0 | 19 |
| 86 | Discrimination of Kernel Quality Characteristics for Sunflower Seeds Based on Multispectral Imaging Approach. <i>Food Analytical Methods</i> , 2015, 8, 1629-1636. | 1.3 | 19 |
| 87 | A novel ultrasensitive phosphate amperometric nanobiosensor based on the integration of pyruvate oxidase with highly ordered gold nanowires array. <i>Biosensors and Bioelectronics</i> , 2015, 71, 278-285. | 5.3 | 19 |
| 88 | Highly sensitive real-time detection of tyrosine based on organic electrochemical transistors with poly-(diallyldimethylammonium chloride), gold nanoparticles and multi-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 321-326. | 1.9 | 19 |
| 89 | Nitrogen-doped Li ₄ Ti ₅ O ₁₂ /carbon hybrids derived from inorganic polymer for fast lithium storage. <i>Electrochimica Acta</i> , 2017, 247, 132-138. | 2.6 | 19 |
| 90 | Ultrasensitive and rapid screening of mercury(II) ions by dual labeling colorimetric method in aqueous samples and applications in mercury-poisoned animal tissues. <i>Analytica Chimica Acta</i> , 2015, 868, 45-52. | 2.6 | 18 |

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|-----|---|-----|-----------|
| 91 | A Polyamidoamine Dendrimer-Based Electrochemical Immunosensor for Label-Free Determination of Epithelial Cell Adhesion Molecule- Expressing Cancer Cells. <i>Sensors</i> , 2019, 19, 1879. | 2.1 | 17 |
| 92 | A polymerase chain reaction based lateral flow test strip with propidium monoazide for detection of viable <i>Vibrio parahaemolyticus</i> in codfish. <i>Microchemical Journal</i> , 2020, 159, 105418. | 2.3 | 16 |
| 93 | Aptamer-enhanced fluorescence determination of bisphenol A after magnetic solid-phase extraction using Fe ₃ O ₄ @SiO ₂ @aptamer. <i>Analytical Methods</i> , 2020, 12, 4479-4486. | 1.3 | 15 |
| 94 | Three-dimensional assembly and disassembly of Fe ₃ O ₄ -decorated porous carbon nanocomposite with enhanced transversal relaxation for magnetic resonance sensing of bisphenol A. <i>Mikrochimica Acta</i> , 2021, 188, 90. | 2.5 | 14 |
| 95 | Permselectivity Replication of Artificial Glomerular Basement Membranes in Nanoporous Collagen Multilayers. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2067-2072. | 2.1 | 13 |
| 96 | Paper matrix based array for rapid and sensitive optical detection of mercury ions using silver enhancement. <i>Mikrochimica Acta</i> , 2017, 184, 569-576. | 2.5 | 13 |
| 97 | Highly Simple and Sensitive Molecular Amplification-Integrated Fluorescence Anisotropy for Rapid and On-Site Identification of Adulterated Beef. <i>Analytical Chemistry</i> , 2018, 90, 7171-7175. | 3.2 | 13 |
| 98 | Recent progress of personal glucose meters integrated methods in food safety hazards detection. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7413-7426. | 5.4 | 13 |
| 99 | Biofunctional magnetic nanoparticles as a general agent to immobilize proteins contained in traditional Chinese medicines. <i>Mikrochimica Acta</i> , 2007, 157, 49-54. | 2.5 | 12 |
| 100 | Gold nanoparticle-based immunochromatographic assay for the detection of 7-aminoclonazepam in urine. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 261-268. | 1.8 | 12 |
| 101 | Rapid and non-destructive determination of rancidity levels in butter cookies by multi-spectral imaging. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1821-1827. | 1.7 | 12 |
| 102 | Noninvasive discrimination and textural properties of E-beam irradiated shrimp. <i>Journal of Food Engineering</i> , 2016, 175, 85-92. | 2.7 | 12 |
| 103 | Rapid and easy determination of morphine in chafing dish condiments with colloidal gold labeling based lateral flow strips. <i>Food Science and Human Wellness</i> , 2019, 8, 40-45. | 2.2 | 12 |
| 104 | Facile construction of a molecularly imprinted polymer-based electrochemical sensor for the detection of milk amyloid A. <i>Mikrochimica Acta</i> , 2020, 187, 642. | 2.5 | 12 |
| 105 | Continual and accurate home monitoring of uric acid in urine samples with uricase-packaged nanoflowers assisted portable electrochemical uricometer. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113804. | 5.3 | 12 |
| 106 | A direct enzyme-linked immunosorbent assay for hexoestrol residues. <i>Food and Agricultural Immunology</i> , 2008, 19, 61-75. | 0.7 | 11 |
| 107 | Preparation of immunomagnetic nanoparticles and their application in the separation of mouse CD34+ hematopoietic stem cells. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1885-1888. | 1.0 | 11 |
| 108 | Real-time detection of Cu(II) with PEDOT:PSS based organic electrochemical transistors. <i>Science China Chemistry</i> , 2017, 60, 1205-1211. | 4.2 | 11 |

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|-----|--|-----|-----------|
| 109 | Selection of Specific DNA Aptamers for Hetero-Sandwich-Based Colorimetric Determination of <i>Campylobacter jejuni</i> in Food. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8455-8461. | 2.4 | 11 |
| 110 | Systematic comparisons of genetically modified organism DNA separation and purification by various functional magnetic nanoparticles. <i>International Journal of Food Science and Technology</i> , 2012, 47, 910-917. | 1.3 | 10 |
| 111 | Extraordinary tunable dynamic range of electrochemical aptasensor for accurate detection of ochratoxin A in food samples. <i>Food Science and Human Wellness</i> , 2017, 6, 70-76. | 2.2 | 10 |
| 112 | Simultaneous Detection of Multiple β -Adrenergic Agonists with 2-Directional Lateral Flow Strip Platform. <i>Analytical Sciences</i> , 2020, 36, 653-657. | 0.8 | 9 |
| 113 | Surface-Confined Building of Au@Pt-Centered and Multi-G-Quadruplex/Hemin Wire-Surrounded Electroactive Super-nanostructures for Ultrasensitive Monitoring of Morphine. <i>ACS Sensors</i> , 2020, 5, 2644-2651. | 4.0 | 9 |
| 114 | Assembly of USPIO/MOF nanoparticles with high proton relaxation rates for ultrasensitive magnetic resonance sensing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11915-11923. | 2.7 | 9 |
| 115 | Target-triggered substantial stacking of electroactive indicators based on digestion-to-growth regulated tandem isothermal amplification for ultrasensitive miRNA determination. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130280. | 4.0 | 9 |
| 116 | Framework nucleic acid-wrapped protein-inorganic hybrid nanoflowers with three-stage amplified fluorescence polarization for terminal deoxynucleotidyl transferase activity biosensing. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113564. | 5.3 | 9 |
| 117 | Rational incorporating of loop-mediated isothermal amplification with fluorescence anisotropy for rapid, sensitive and on-site identification of pork adulteration. <i>Food Control</i> , 2022, 137, 108863. | 2.8 | 9 |
| 118 | Self-signal-on fluorescent colorimetric protocol for rapid authentication of horsemeat adulterated beef samples with functional designed probes. <i>International Journal of Food Science and Technology</i> , 2019, 54, 1752-1759. | 1.3 | 8 |
| 119 | Rapid and easy quantitative identification of <i>Cronobacter</i> spp. in infant formula milk powder by isothermal strand-exchange-amplification based molecular capturing lateral flow strip. <i>Food Control</i> , 2021, 126, 108048. | 2.8 | 7 |
| 120 | A Short- and Long-Range Fluorescence Resonance Energy Transfer-Cofunctionalized Fluorescence Quenching Collapsar Probe Regulates Amplified and Accelerated Detection of <i>Salmonella</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14294-14301. | 2.4 | 7 |
| 121 | A molecule capturer analysis system for visual determination of avian pathogenic <i>Escherichia coli</i> serotype O78 using a lateral flow assay. <i>Mikrochimica Acta</i> , 2020, 187, 198. | 2.5 | 6 |
| 122 | Lithium cell-assisted low-overpotential Li-O_2 batteries by in situ discharge activation. <i>Chemical Communications</i> , 2017, 53, 10568-10571. | 2.2 | 5 |
| 123 | Self-assembly of a polythymine embedded activatable molecular beacon for one-step quantification of terminal deoxynucleotidyl transferase activity. <i>Analytica Chimica Acta</i> , 2021, 1141, 127-135. | 2.6 | 5 |
| 124 | Rapid and direct concentration range judgment of lamotrigine in plasma by the multi test lines with different detection limits on the same lateral flow strip. <i>Analytica Chimica Acta</i> , 2022, 1192, 339347. | 2.6 | 3 |
| 125 | Periodically programmed building and collapse of DNA networks enables an ultrahigh signal amplification effect for ultrasensitive nucleic acids analysis. <i>Analytica Chimica Acta</i> , 2021, 1150, 338221. | 2.6 | 2 |
| 126 | Performance improved fluorescence polarization for easy and accurate authentication of chicken adulteration. <i>Food Control</i> , 2022, 133, 108604. | 2.8 | 2 |