

Zhanhui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

203
papers

5,944
citations

66343

42
h-index

118850

62
g-index

207
all docs

207
docs citations

207
times ranked

4293
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Characterization of a Novel Gene, <i>srpA</i> , Conferring Resistance to Streptogramin A, Pleuromutilins, and Lincosamides in <i>Streptococcus suis</i> . <i>Engineering</i> , 2022, 9, 85-94. | 6.7 | 3 |
| 2 | Highly efficient and precise two-step cell selection method for tetramethylenedisulfotetramine-specific monoclonal antibody production. <i>Journal of Hazardous Materials</i> , 2022, 424, 127689. | 12.4 | 5 |
| 3 | Expanded detection range of lateral flow immunoassay endowed with a third-stage amplifier indirect probe. <i>Food Chemistry</i> , 2022, 377, 131920. | 8.2 | 8 |
| 4 | Comparison of two fluorescence quantitative immunochromatographic assays for the detection of amantadine in chicken muscle. <i>Food Chemistry</i> , 2022, 377, 131931. | 8.2 | 7 |
| 5 | Self-Assembling Antibody Network Simplified Competitive Multiplex Lateral Flow Immunoassay for Point-of-Care Tests. <i>Analytical Chemistry</i> , 2022, 94, 1585-1593. | 6.5 | 13 |
| 6 | Advances in Chicken IgY-Based Immunoassays for the Detection of Chemical and Biological Hazards in Food Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 976-991. | 5.2 | 10 |
| 7 | Enzyme-Loaded Hemin/Ca-Quadruplex-Modified ZIF-90 Metal-Organic Framework Nanoparticles: Bioreactor Nanozymes for the Cascaded Oxidation of <i>N</i> -hydroxy-L-arginine and Sensing Applications. <i>Small</i> , 2022, 18, e2104420. | 10.0 | 29 |
| 8 | Tylvalosin demonstrates anti-parasitic activity and protects mice from acute toxoplasmosis. <i>Life Sciences</i> , 2022, 294, 120373. | 4.3 | 1 |
| 9 | Development of Fluorescence Polarization Immunoassay With scFv to Detect Fumonisin Bs in Maize and Simultaneous Study of Their Molecular Recognition Mechanism. <i>Frontiers in Chemistry</i> , 2022, 10, 829038. | 3.6 | 2 |
| 10 | Application of Antibody and Immunoassay for Food Safety. <i>Foods</i> , 2022, 11, 826. | 4.3 | 2 |
| 11 | Monoclonal Antibody Discovery Based on Precise Selection of Single Transgenic Hybridomas with an On-Cell-Surface and Antigen-Specific Anchor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17128-17141. | 8.0 | 4 |
| 12 | “Three-To-One” multi-functional nanocomposite-based lateral flow immunoassay for label-free and dual-readout detection of pathogenic bacteria. <i>Biosensors and Bioelectronics</i> , 2022, 204, 114093. | 10.1 | 53 |
| 13 | From pretreatment to assay: A chemiluminescence- and optical fiber-based fully automated immunosensing (COFFAI) system. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131820. | 7.8 | 6 |
| 14 | A rare monoclonal antibody discovery based on indirect competitive screening of a single hapten-specific rabbit antibody secreting cell. <i>Analyst</i> , 2022, 147, 2942-2952. | 3.5 | 2 |
| 15 | Development of a Highly Sensitive and Specific ic-ELISA and Lateral Flow Immunoassay for Diacetoxyscirpenol. <i>Foods</i> , 2022, 11, 1548. | 4.3 | 1 |
| 16 | Fluorescence polarization immunoassay based on fragmentary hapten for rapid and sensitive screening of polymyxins in human serum. <i>Sensors and Actuators B: Chemical</i> , 2022, 370, 132404. | 7.8 | 5 |
| 17 | T-2 toxin and its cardiotoxicity: New insights on the molecular mechanisms and therapeutic implications. <i>Food and Chemical Toxicology</i> , 2022, 167, 113262. | 3.6 | 11 |
| 18 | Current advances in immunoassays for quinolones in food and environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116726. | 11.4 | 17 |

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|----|--|------|-----------|
| 19 | Magnetic assisted fluorescence immunoassay for sensitive chloramphenicol detection using carbon dots@CaCO ₃ nanocomposites. <i>Journal of Hazardous Materials</i> , 2021, 402, 123942. | 12.4 | 41 |
| 20 | Multi-wavelength fluorescence polarization immunoassays for simultaneous detection of amantadine and ribavirin in chicken and human serum. <i>Food and Agricultural Immunology</i> , 2021, 32, 321-335. | 1.4 | 4 |
| 21 | Engineering of Organic Solvent-Tolerant Antibody to Sulfonamides by CDR Grafting for Analytical Purposes. <i>Analytical Chemistry</i> , 2021, 93, 6008-6012. | 6.5 | 7 |
| 22 | Induction of Robust and Specific Humoral and Cellular Immune Responses by Bovine Viral Diarrhea Virus Virus-Like Particles (BVDV-VLPs) Engineered with Baculovirus Expression Vector System. <i>Vaccines</i> , 2021, 9, 350. | 4.4 | 11 |
| 23 | Antibody engineering-driven controllable chemiluminescence resonance energy transfer for immunoassay with tunable dynamic range. <i>Analytica Chimica Acta</i> , 2021, 1152, 338231. | 5.4 | 6 |
| 24 | MBOVPG45_0375 Encodes an IgG-Binding Protein and MBOVPG45_0376 Encodes an IgG-Cleaving Protein in <i>Mycoplasma bovis</i> . <i>Frontiers in Veterinary Science</i> , 2021, 8, 644224. | 2.2 | 5 |
| 25 | Synthesis of hapten, production of monoclonal antibody, and development of immunoassay for ribavirin detection in chicken. <i>Journal of Food Science</i> , 2021, 86, 2851-2860. | 3.1 | 7 |
| 26 | In Situ Growth Large Area Silver Nanostructure on Metal Phenolic Network Coated NAAO Film and Its SERS Sensing Application for Monofluoroacetic Acid. <i>ACS Sensors</i> , 2021, 6, 2129-2135. | 7.8 | 3 |
| 27 | Production of highly sensitive monoclonal antibody and development of lateral flow assays for phalloxin detection in urine. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4979-4987. | 3.7 | 5 |
| 28 | Binding affinity-guided design of a highly sensitive noncompetitive immunoassay for small molecule detection. <i>Food Chemistry</i> , 2021, 351, 129270. | 8.2 | 14 |
| 29 | Portable Magnetofluidic Device for Point-of-Need Detection of African Swine Fever. <i>Analytical Chemistry</i> , 2021, 93, 10940-10946. | 6.5 | 13 |
| 30 | An Innovative Nanobody-Based High-Biocompatibility Gold Interdigitated Microelectrode Electrochemical Bioimpedance Sensor for the Ultrasensitive Detection of Difenacoum in Human Serum. <i>Materials</i> , 2021, 14, 3930. | 2.9 | 3 |
| 31 | Polymer/inorganic nanohybrids: An attractive materials for analysis and sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 140, 116273. | 11.4 | 10 |
| 32 | Lateral flow immunoassay for furazolidone point-of-care testing: Cater to the call of saving time, labor, and cost by coomassie brilliant blue labeling. <i>Food Chemistry</i> , 2021, 352, 129415. | 8.2 | 16 |
| 33 | Hydrophobic Moiety of Capsaicinoids Haptens Enhancing Antibody Performance in Immunoassay: Evidence from Computational Chemistry and Molecular Recognition. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9957-9967. | 5.2 | 23 |
| 34 | Establishment of a Suspension MDBK Cell Line in Serum-Free Medium for Production of Bovine Alphaherpesvirus-1. <i>Vaccines</i> , 2021, 9, 1006. | 4.4 | 3 |
| 35 | Hapten synthesis, monoclonal antibody production and immunoassay development for direct detection of 4-hydroxybenzhydrazide in chicken, the metabolite of nifuroxazide. <i>Food Chemistry</i> , 2021, 355, 129598. | 8.2 | 18 |
| 36 | Synthesis and characterization of tracers and development of a fluorescence polarization immunoassay for amantadine with high sensitivity in chicken. <i>Journal of Food Science</i> , 2021, 86, 4754-4767. | 3.1 | 5 |

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|----|--|------|-----------|
| 37 | Anti-Metatype Antibody Screening, Sandwich Immunoassay Development, and Structural Insights for β -Lactams Based on Penicillin Binding Protein. <i>Molecules</i> , 2021, 26, 5569. | 3.8 | 2 |
| 38 | ELISA-Based Method for Variant-Independent Detection of Total Microcystins and Nodularins via a Multi-immunogen Approach. <i>Environmental Science & Technology</i> , 2021, 55, 12984-12993. | 10.0 | 5 |
| 39 | An ultrasensitive, homogeneous fluorescence quenching immunoassay integrating separation and detection of aflatoxin M1 based on magnetic graphene composites. <i>Mikrochimica Acta</i> , 2021, 188, 59. | 5.0 | 12 |
| 40 | Development of a New Monoclonal Antibody against Brevetoxins in Oyster Samples Based on the Indirect Competitive Enzyme-Linked Immunosorbent Assay. <i>Foods</i> , 2021, 10, 2398. | 4.3 | 9 |
| 41 | An Automated and Highly Sensitive Chemiluminescence Immunoassay for Diagnosing Mushroom Poisoning. <i>Frontiers in Chemistry</i> , 2021, 9, 813219. | 3.6 | 3 |
| 42 | Hapten Synthesis and Monoclonal Antibody Preparation for Simultaneous Detection of Albendazole and Its Metabolites in Animal-Origin Food. <i>Foods</i> , 2021, 10, 3106. | 4.3 | 8 |
| 43 | Development of a validated direct injection-liquid chromatographic tandem mass spectrometric method under negative electrospray ionization for quantitation of nine microcystins and nodularin-R in lake water. <i>Journal of Chromatography A</i> , 2020, 1609, 460432. | 3.7 | 4 |
| 44 | Highly broad-specific and sensitive direct competitive enzyme-linked immunosorbent assay for screening multi-antibacterial synergists: assay optimization and application to animal-derived food. <i>Food and Agricultural Immunology</i> , 2020, 31, 150-164. | 1.4 | 10 |
| 45 | Ratiometric fluorescent sensing system for drug residue analysis: Highly sensitive immunosensor using dual-emission quantum dots hybrid and compact smartphone based-device. <i>Analytica Chimica Acta</i> , 2020, 1102, 91-98. | 5.4 | 26 |
| 46 | Fluorescent lateral flow immunoassay for highly sensitive detection of eight anticoagulant rodenticides based on cadmium-free quantum dot-encapsulated nanospheres. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128771. | 7.8 | 22 |
| 47 | Progress in immunoassays for nitrofurans detection. <i>Food and Agricultural Immunology</i> , 2020, 31, 907-926. | 1.4 | 21 |
| 48 | Influence of Small Molecular Property on Antibody Response. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10944-10950. | 5.2 | 17 |
| 49 | Non-CTAB synthesized gold nanorods-based immunochromatographic assay for dual color and on-site detection of aflatoxins and zearalenones in maize. <i>Food Control</i> , 2020, 118, 107418. | 5.5 | 15 |
| 50 | Evaluation of different food matrices via a dihydropteroate synthase-based biosensor for the screening of sulfonamide residues. <i>Food and Agricultural Immunology</i> , 2020, 31, 352-366. | 1.4 | 3 |
| 51 | Hapten Design and Monoclonal Antibody to Fluoroacetamide, a Small and Highly Toxic Chemical. <i>Biomolecules</i> , 2020, 10, 986. | 4.0 | 21 |
| 52 | High efficient chemiluminescent immunoassays for the detection of diclazuril in chicken muscle based on biotin-streptavidin system. <i>Food and Agricultural Immunology</i> , 2020, 31, 255-267. | 1.4 | 9 |
| 53 | Gd ³⁺ -nanoparticle-enhanced multivalent biosensing that combines magnetic relaxation switching and magnetic separation. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112106. | 10.1 | 25 |
| 54 | Site-directed mutations of anti-amantadine scFv antibody by molecular dynamics simulation: prediction and validation. <i>Journal of Molecular Modeling</i> , 2020, 26, 49. | 1.8 | 15 |

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|----|--|------|-----------|
| 55 | Homogeneous fluorescent immunoassay for the simultaneous detection of chloramphenicol and amantadine via the duplex FRET between carbon dots and WS2 nanosheets. <i>Food Chemistry</i> , 2020, 327, 127107. | 8.2 | 37 |
| 56 | Design, synthesis and characterization of tracers and development of a fluorescence polarization immunoassay for the rapid detection of ractopamine in pork. <i>Food Chemistry</i> , 2019, 271, 9-17. | 8.2 | 38 |
| 57 | Production of a specific monoclonal antibody and a sensitive immunoassay for the detection of diphacinone in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6755-6765. | 3.7 | 8 |
| 58 | Novel inner filter effect-based fluorescence immunoassay with gold nanoclusters for bromadiolone detection in human serum. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126787. | 7.8 | 18 |
| 59 | Monoclonal antibody production and the development of a quantitative time-resolved fluoroimmunoassay for rifaximin in milk. <i>Food and Agricultural Immunology</i> , 2019, 30, 1135-1147. | 1.4 | 6 |
| 60 | Application of quantitative structure-activity relationship analysis on an antibody and alternariol-like compounds interaction study. <i>Journal of Molecular Recognition</i> , 2019, 32, e2776. | 2.1 | 2 |
| 61 | A Class-Selective Immunoassay for Sulfonamides Residue Detection in Milk Using a Superior Polyclonal Antibody with Broad Specificity and Highly Uniform Affinity. <i>Molecules</i> , 2019, 24, 443. | 3.8 | 19 |
| 62 | Development of a fluorescence immunoassay for highly sensitive detection of amantadine using the nanoassembly of carbon dots and MnO ₂ nanosheets as the signal probe. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 214-221. | 7.8 | 41 |
| 63 | Quantitative and rapid detection of amantadine and chloramphenicol based on various quantum dots with the same excitations. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2131-2140. | 3.7 | 21 |
| 64 | Novel hapten design, antibody recognition mechanism study, and a highly sensitive immunoassay for diethylstilbestrol in shrimp. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5255-5265. | 3.7 | 22 |
| 65 | Comparison of soybean peroxidase with horseradish peroxidase and alkaline phosphatase used in immunoassays. <i>Analytical Biochemistry</i> , 2019, 581, 113336. | 2.4 | 17 |
| 66 | Fluorescence immunoassay based on the inner-filter effect of carbon dots for highly sensitive amantadine detection in foodstuffs. <i>Food Chemistry</i> , 2019, 294, 347-354. | 8.2 | 57 |
| 67 | Portable Multiplex Immunochemical Assay for Quantitation of Two Typical Algae Toxins Based on Dual-Color Fluorescence Microspheres. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6041-6047. | 5.2 | 46 |
| 68 | An Aggregation-Induced Emission-Based Indirect Competitive Immunoassay for Fluorescence "Turn-On" Detection of Drug Residues in Foodstuffs. <i>Frontiers in Chemistry</i> , 2019, 7, 228. | 3.6 | 19 |
| 69 | Engineered magnetosomes fused to functional molecule (protein A) provide a highly effective alternative to commercial immunomagnetic beads. <i>Journal of Nanobiotechnology</i> , 2019, 17, 37. | 9.1 | 27 |
| 70 | Development of an immunoassay for the detection of carbaryl in cereals based on a camelid variable heavy-chain antibody domain. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4383-4390. | 3.5 | 18 |
| 71 | Fluorescence polarization assays for chemical contaminants in food and environmental analyses. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 293-313. | 11.4 | 91 |
| 72 | Class-Specific Monoclonal Antibodies and Dihydropteroate Synthase in Bioassays Used for the Detection of Sulfonamides: Structural Insights into Recognition Diversity. <i>Analytical Chemistry</i> , 2019, 91, 2392-2400. | 6.5 | 36 |

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|----|--|-----|-----------|
| 73 | Dihydropteroate synthase based sensor for screening multi-sulfonamides residue and its comparison with broad-specific antibody based immunoassay by molecular modeling analysis. <i>Analytica Chimica Acta</i> , 2019, 1050, 139-145. | 5.4 | 30 |
| 74 | Development of a highly specific chemiluminescence aptasensor for sulfamethazine detection in milk based on in vitro selected aptamers. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 801-811. | 7.8 | 58 |
| 75 | Molecularly Imprinted Polymer as an Antibody Substitution in Pseudo-immunoassays for Chemical Contaminants in Food and Environmental Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2561-2571. | 5.2 | 52 |
| 76 | Highly sensitive visual detection of amantadine residues in poultry at the ppb level: A colorimetric immunoassay based on a Fenton reaction and gold nanoparticles aggregation. <i>Analytica Chimica Acta</i> , 2018, 1027, 130-136. | 5.4 | 30 |
| 77 | One-Step Core/Multishell Quantum Dots-Based Fluoroimmunoassay for Screening of Deoxynivalenol in Maize. <i>Food Analytical Methods</i> , 2018, 11, 2569-2578. | 2.6 | 22 |
| 78 | Unraveling the Metabolic Routes of Retapamulin: Insights into Drug Development of Pleuromutilins. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 3.2 | 16 |
| 79 | Universal simultaneous multiplex ELISA of small molecules in milk based on dual luciferases. <i>Analytica Chimica Acta</i> , 2018, 1001, 125-133. | 5.4 | 42 |
| 80 | Probing the stereoselective interaction of ofloxacin enantiomers with corresponding monoclonal antibodies by multiple spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 194, 83-91. | 3.9 | 7 |
| 81 | Preparation of high affinity antibody for ribavirin with new haptens and residue analysis in chicken muscle, eggs and duck muscle. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1247-1256. | 2.3 | 11 |
| 82 | Broadening the Detection Spectrum of Small Analytes Using a Two-Antibody-Designed Hybrid Immunoassay. <i>Analytical Chemistry</i> , 2018, 90, 4901-4908. | 6.5 | 19 |
| 83 | Development of Sandwich Double-Competitive ELISA for Sulfonamides. <i>Comparative Analytical Characteristics and Matrix Effect Resistance. Food Analytical Methods</i> , 2018, 11, 663-674. | 2.6 | 18 |
| 84 | Dual-wavelength fluorescence polarization immunoassay to increase information content per screen: Applications for simultaneous detection of total aflatoxins and family zearalenones in maize. <i>Food Control</i> , 2018, 87, 100-108. | 5.5 | 37 |
| 85 | New Hapten Synthesis, Antibody Production, and Indirect Competitive Enzyme-Linked Immunosorbent Assay for Amantadine in Chicken Muscle. <i>Food Analytical Methods</i> , 2018, 11, 302-308. | 2.6 | 32 |
| 86 | Generic Hapten Synthesis, Broad-Specificity Monoclonal Antibodies Preparation, and Ultrasensitive ELISA for Five Antibacterial Synergists in Chicken and Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11170-11179. | 5.2 | 63 |
| 87 | A novel hapten and monoclonal antibody-based indirect competitive ELISA for simultaneous analysis of alternariol and alternariol monomethyl ether in wheat. <i>Food Control</i> , 2018, 94, 65-70. | 5.5 | 27 |
| 88 | Comparison of Chicken IgY and Mammalian IgG in Three Immunoassays for Detection of Sulfamethazine in Milk. <i>Food Analytical Methods</i> , 2018, 11, 3452-3463. | 2.6 | 10 |
| 89 | Highly sensitive SERS immunosensor for the detection of amantadine in chicken based on flower-like gold nanoparticles and magnetic bead separation. <i>Food and Chemical Toxicology</i> , 2018, 118, 589-594. | 3.6 | 25 |
| 90 | Latex bead and colloidal gold applied in a multiplex immunochromatographic assay for high-throughput detection of three classes of antibiotic residues in milk. <i>Food Control</i> , 2017, 77, 1-7. | 5.5 | 67 |

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|-----|---|------|-----------|
| 91 | Development of a new broad-specific monoclonal antibody with uniform affinity for aflatoxins and magnetic beads-based enzymatic immunoassay. <i>Food Control</i> , 2017, 79, 309-316. | 5.5 | 43 |
| 92 | Fluorescence Polarization Immunoassay Based on a New Monoclonal Antibody for the Detection of the Zearalenone Class of Mycotoxins in Maize. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2240-2247. | 5.2 | 83 |
| 93 | Immunoassays for the detection of macrocyclic lactones in food matrices – A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 92, 42-61. | 11.4 | 49 |
| 94 | Four Specific Hapten Conformations Dominating Antibody Specificity: Quantitative Structure–Activity Relationship Analysis for Quinolone Immunoassay. <i>Analytical Chemistry</i> , 2017, 89, 6740-6748. | 6.5 | 18 |
| 95 | Broad-Specificity Immunoassay for Simultaneous Detection of Ochratoxins A, B, and C in Millet and Maize. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4830-4838. | 5.2 | 51 |
| 96 | Immunochemical techniques for multianalyte analysis of chemical residues in food and the environment: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 88, 25-40. | 11.4 | 124 |
| 97 | Comprehensive Analysis of Tiamulin Metabolites in Various Species of Farm Animals Using Ultra-High-Performance Liquid Chromatography Coupled to Quadrupole/Time-of-Flight. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 199-207. | 5.2 | 22 |
| 98 | Fast on-Site Visual Detection of Active Ricin Using a Combination of Highly Efficient Dual-Recognition Affinity Magnetic Enrichment and a Specific Gold Nanoparticle Probe. <i>Analytical Chemistry</i> , 2017, 89, 12209-12216. | 6.5 | 17 |
| 99 | Multiplex Lateral Flow Immunoassays Based on Amorphous Carbon Nanoparticles for Detecting Three <i>Fusarium</i> Mycotoxins in Maize. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8063-8071. | 5.2 | 114 |
| 100 | Simple, high efficiency detection of microcystins and nodularin-R in water by fluorescence polarization immunoassay. <i>Analytica Chimica Acta</i> , 2017, 992, 119-127. | 5.4 | 26 |
| 101 | Metabolism of T-2 Toxin in Farm Animals and Human In Vitro and in Chickens In Vivo Using Ultra High-Performance Liquid Chromatography- Quadrupole/Time-of-Flight Hybrid Mass Spectrometry Along with Online Hydrogen/Deuterium Exchange Technique. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7217-7227. | 5.2 | 21 |
| 102 | Production of antibodies and development of an enzyme-linked immunosorbent assay for 17 β -estradiol in milk. <i>Food and Agricultural Immunology</i> , 2017, 28, 1519-1529. | 1.4 | 13 |
| 103 | Metabolic Profile of Zearalenone in Liver Microsomes from Different Species and Its in Vivo Metabolism in Rats and Chickens Using Ultra High-Pressure Liquid Chromatography-Quadrupole/Time-of-Flight Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 11292-11303. | 5.2 | 35 |
| 104 | Comparison of Fluorescent Microspheres and Colloidal Gold as Labels in Lateral Flow Immunochromatographic Assays for the Detection of T-2 Toxin. <i>Molecules</i> , 2016, 21, 27. | 3.8 | 26 |
| 105 | Chemiluminescence Resonance Energy Transfer Competitive Immunoassay Employing Hapten-Functionalized Quantum Dots for the Detection of Sulfamethazine. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17745-17750. | 8.0 | 42 |
| 106 | Production of monoclonal antibodies with broad specificity and development of an immunoassay for microcystins and nodularin in water. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6037-6044. | 3.7 | 25 |
| 107 | General Bioluminescence Resonance Energy Transfer Homogeneous Immunoassay for Small Molecules Based on Quantum Dots. <i>Analytical Chemistry</i> , 2016, 88, 3512-3520. | 6.5 | 52 |
| 108 | A universal multi-wavelength fluorescence polarization immunoassay for multiplexed detection of mycotoxins in maize. <i>Biosensors and Bioelectronics</i> , 2016, 79, 258-265. | 10.1 | 75 |

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|-----|--|------|-----------|
| 109 | An ultra-sensitive monoclonal antibody-based fluorescent microsphere immunochromatographic test strip assay for detecting aflatoxin M ₁ in milk. <i>Food Control</i> , 2016, 60, 588-595. | 5.5 | 83 |
| 110 | Unraveling the in vitro and in vivo metabolism of diacetoxyscirpenol in various animal species and human using ultrahigh-performance liquid chromatography-quadrupole/time-of-flight hybrid mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8571-8583. | 3.7 | 18 |
| 111 | High-Sensitive Chemiluminescent ELISA Method Investigation for the Determination of Deoxynivalenol in Rice. <i>Food Analytical Methods</i> , 2015, 8, 656-660. | 2.6 | 16 |
| 112 | Comparative metabolism of Lappaconitine in rat and human liver microsomes and in vivo of rat using ultra high-performance liquid chromatography-quadrupole/time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 110, 1-11. | 2.8 | 21 |
| 113 | Gold nanoparticles-based lateral flow immunoassay with silver staining for simultaneous detection of fumonisin B ₁ and deoxynivalenol. <i>Food Control</i> , 2015, 54, 347-352. | 5.5 | 69 |
| 114 | In vitro and in vivo metabolism of ochratoxin A: a comparative study using ultra-performance liquid chromatography-quadrupole/time-of-flight hybrid mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3579-3589. | 3.7 | 32 |
| 115 | Development of a fluorescence-linked immunosorbent assay for detection of avermectins using a fluorescent single-domain antibody. <i>Analytical Methods</i> , 2015, 7, 3728-3734. | 2.7 | 8 |
| 116 | A highly sensitive and class-specific fluorescence polarisation assay for sulphonamides based on dihydropteroate synthase. <i>Biosensors and Bioelectronics</i> , 2015, 70, 1-4. | 10.1 | 26 |
| 117 | Development of a Screening Fluorescence Polarization Immunoassay for the Simultaneous Detection of Fumonisin B ₁ and B ₂ in Maize. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4940-4946. | 5.2 | 48 |
| 118 | New haptens and antibodies for ractopamine. <i>Food Chemistry</i> , 2015, 183, 111-114. | 8.2 | 39 |
| 119 | Fluorescence polarization immunoassay using IgY antibodies for detection of valnemulin in swine tissue. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7843-7848. | 3.7 | 14 |
| 120 | A one-step chemiluminescence immunoassay for 20 fluoroquinolone residues in fish and shrimp based on a single chain Fv-alkaline phosphatase fusion protein. <i>Analytical Methods</i> , 2015, 7, 9032-9039. | 2.7 | 19 |
| 121 | Simultaneous Determination of Type A and B Trichothecenes and Their Main Metabolites in Food Animal Tissues by Ultraperformance Liquid Chromatography Coupled with Triple-Quadrupole Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8592-8600. | 5.2 | 23 |
| 122 | Development and Application of a Gel-Based Immunoassay for the Rapid Screening of Salbutamol and Ractopamine Residues in Pork. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10556-10561. | 5.2 | 24 |
| 123 | Determination of illegal antimicrobials in aquaculture feed and fish: An ELISA study. <i>Food Control</i> , 2015, 50, 937-941. | 5.5 | 69 |
| 124 | Development of a multiplex flow-through immunoaffinity chromatography test for the on-site screening of 14 sulfonamide and 13 quinolone residues in milk. <i>Biosensors and Bioelectronics</i> , 2015, 66, 124-128. | 10.1 | 64 |
| 125 | Hapten synthesis, monoclonal antibody production and development of a competitive indirect enzyme-linked immunosorbent assay for erythromycin in milk. <i>Food Chemistry</i> , 2015, 171, 98-107. | 8.2 | 67 |
| 126 | Development of a Microsphere-Based Fluorescence Immunochromatographic Assay for Monitoring Lincomycin in Milk, Honey, Beef, and Swine Urine. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 12061-12066. | 5.2 | 65 |

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