# Zhanhui Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

| 203 | 5,944 | 66343 | 118850 |
|---|---|---|---|
| papers | citations | 42 h-index | 62 g-index |

| 207 | 207 | 207 | 4293 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | T-2 Toxin, a Trichothecene Mycotoxin: Review of Toxicity, Metabolism, and Analytical Methods. Journal of Agricultural and Food Chemistry, 2011, 59, 3441-3453. | 5.2 | 274 |
| 2 | Development of a Monoclonal Antibody-Based Broad-Specificity ELISA for Fluoroquinolone Antibiotics in Foods and Molecular Modeling Studies of Cross-Reactive Compounds. Analytical Chemistry, 2007, 79, 4471-4483. | 6.5 | 191 |
| 3 | Simultaneous Determination of 13 Fluoroquinolone and 22 Sulfonamide Residues in Milk by a Dual-Colorimetric Enzyme-Linked Immunosorbent Assay. Analytical Chemistry, 2013, 85, 1995-1999. | 6.5 | 140 |
| 4 | Simultaneous determination and confirmation of chloramphenicol, thiamphenicol, florfenicol and florfenicol amine in chicken muscle by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 399-404. | 2.3 | 126 |
| 5 | Immunochemical techniques for multianalyte analysis of chemical residues in food and the environment: A review. TrAC - Trends in Analytical Chemistry, 2017, 88, 25-40. | 11.4 | 124 |
| 6 | Multiplex Lateral Flow Immunoassays Based on Amorphous Carbon Nanoparticles for Detecting Three Fusarium Mycotoxins in Maize. Journal of Agricultural and Food Chemistry, 2017, 65, 8063-8071. | 5.2 | 114 |
| 7 | Rapid Enzyme-Linked Immunosorbent Assay and Colloidal Gold Immunoassay for Kanamycin and Tobramycin in Swine Tissues. Journal of Agricultural and Food Chemistry, 2008, 56, 2944-2952. | 5.2 | 110 |
| 8 | Polymer-coated fluorescent CdSe-based quantum dots for application in immunoassay. Biosensors and Bioelectronics, 2014, 53, 225-231. | 10.1 | 95 |
| 9 | Fluorescence polarization assays for chemical contaminants in food and environmental analyses. TrAC - Trends in Analytical Chemistry, 2019, 114, 293-313. | 11.4 | 91 |
| 10 | An ultra-sensitive monoclonal antibody-based fluorescent microsphere immunochromatographic test strip assay for detecting aflatoxin M 1 in milk. Food Control, 2016, 60, 588-595. | 5.5 | 83 |
| 11 | Fluorescence Polarization Immunoassay Based on a New Monoclonal Antibody for the Detection of the Zearalenone Class of Mycotoxins in Maize. Journal of Agricultural and Food Chemistry, 2017, 65, 2240-2247. | 5.2 | 83 |
| 12 | A universal multi-wavelength fluorescence polarization immunoassay for multiplexed detection of mycotoxins in maize. Biosensors and Bioelectronics, 2016, 79, 258-265. | 10.1 | 75 |
| 13 | Gold nanoparticles-based lateral flow immunoassay with silver staining for simultaneous detection of fumonisin B1 and deoxynivalenol. Food Control, 2015, 54, 347-352. | 5.5 | 69 |
| 14 | Determination of illegal antimicrobials in aquaculture feed and fish: An ELISA study. Food Control, 2015, 50, 937-941. | 5.5 | 69 |
| 15 | Development of an immunoaffinity column method using broad-specificity monoclonal antibodies for simultaneous extraction and cleanup of quinolone and sulfonamide antibiotics in animal muscle tissues. Journal of Chromatography A, 2008, 1209, 1-9. | 3.7 | 68 |
| 16 | Simultaneous Determination of Multiple (Fluoro)quinolone Antibiotics in Food Samples by a One-Step Fluorescence Polarization Immunoassay. Journal of Agricultural and Food Chemistry, 2013, 61, 9347-9355. | 5.2 | 67 |
| 17 | Hapten synthesis, monoclonal antibody production and development of a competitive indirect enzyme-linked immunosorbent assay for erythromycin in milk. Food Chemistry, 2015, 171, 98-107. | 8.2 | 67 |
| 18 | Latex bead and colloidal gold applied in a multiplex immunochromatographic assay for high-throughput detection of three classes of antibiotic residues in milk. Food Control, 2017, 77, 1-7. | 5.5 | 67 |

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|---|---|---|---|
| 19 | Development of a Microsphere-Based Fluorescence Immunochromatographic Assay for Monitoring Lincomycin in Milk, Honey, Beef, and Swine Urine. Journal of Agricultural and Food Chemistry, 2014, 62, 12061-12066. | 5.2 | 65 |
| 20 | Development of a multiplex flow-through immunoaffinity chromatography test for the on-site screening of 14 sulfonamide and 13 quinolone residues in milk. Biosensors and Bioelectronics, 2015, 66, 124-128. | 10.1 | 64 |
| 21 | Development of a highly sensitive and specific immunoassay for enrofloxacin based on heterologous coating haptens. Analytica Chimica Acta, 2014, 820, 152-158. | 5.4 | 63 |
| 22 | Generic Hapten Synthesis, Broad-Specificity Monoclonal Antibodies Preparation, and Ultrasensitive ELISA for Five Antibacterial Synergists in Chicken and Milk. Journal of Agricultural and Food Chemistry, 2018, 66, 11170-11179. | 5.2 | 63 |
| 23 | Development and Application of a Quantitative Fluorescence-Based Immunochromatographic Assay for Fumonisin B<sub>1</sub> in Maize. Journal of Agricultural and Food Chemistry, 2014, 62, 6294-6298. | 5.2 | 62 |
| 24 | Development of a highly specific chemiluminescence aptasensor for sulfamethazine detection in milk based on in vitro selected aptamers. Sensors and Actuators B: Chemical, 2019, 281, 801-811. | 7.8 | 58 |
| 25 | Fluorescence immunoassay based on the inner-filter effect of carbon dots for highly sensitive amantadine detection in foodstuffs. Food Chemistry, 2019, 294, 347-354. | 8.2 | 57 |
| 26 | Monoclonal Antibody-Based Fluorescence Polarization Immunoassay for Sulfamethoxypyridazine and Sulfachloropyridazine. Journal of Agricultural and Food Chemistry, 2007, 55, 6871-6878. | 5.2 | 56 |
| 27 | Development of an Immunochromatography Strip for the Rapid Detection of 12 Fluoroquinolones in Chicken Muscle and Liver. Journal of Agricultural and Food Chemistry, 2008, 56, 5469-5474. | 5.2 | 56 |
| 28 | Identification of the major metabolites of quinocetone in swine urine using ultraâ€performance liquid chromatography/electrospray ionization quadrupole timeâ€ofâ€flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 375-383. | 1.5 | 54 |
| 29 | â€˜Three-To-Oneâ€™ multi-functional nanocomposite-based lateral flow immunoassay for label-free and dual-readout detection of pathogenic bacteria. Biosensors and Bioelectronics, 2022, 204, 114093. | 10.1 | 53 |
| 30 | Simultaneous detection of multiple chemical residues in milk using broad-specificity antibodies in a hybrid immunosorbent assay. Biosensors and Bioelectronics, 2011, 26, 2716-2719. | 10.1 | 52 |
| 31 | Simultaneous Determination of Aflatoxin B1 and Aflatoxin M1 in Food Matrices by Enzyme-Linked Immunosorbent Assay. Food Analytical Methods, 2013, 6, 767-774. | 2.6 | 52 |
| 32 | General Bioluminescence Resonance Energy Transfer Homogeneous Immunoassay for Small Molecules Based on Quantum Dots. Analytical Chemistry, 2016, 88, 3512-3520. | 6.5 | 52 |
| 33 | Molecularly Imprinted Polymer as an Antibody Substitution in Pseudo-immunoassays for Chemical Contaminants in Food and Environmental Samples. Journal of Agricultural and Food Chemistry, 2018, 66, 2561-2571. | 5.2 | 52 |
| 34 | Broad-Specificity Immunoassay for Simultaneous Detection of Ochratoxins A, B, and C in Millet and Maize. Journal of Agricultural and Food Chemistry, 2017, 65, 4830-4838. | 5.2 | 51 |
| 35 | Monoclonal antibodies with group specificity toward sulfonamides: selection of hapten and antibody selectivity. Analytical and Bioanalytical Chemistry, 2013, 405, 4027-4037. | 3.7 | 50 |
| 36 | Immunoassays for the detection of macrocyclic lactones in food matrices â€“ A review. TrAC - Trends in Analytical Chemistry, 2017, 92, 42-61. | 11.4 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Development of a Screening Fluorescence Polarization Immunoassay for the Simultaneous Detection of Fumonisins B<sub>1</sub> and B<sub>2</sub> in Maize. Journal of Agricultural and Food Chemistry, 2015, 63, 4940-4946. | 5.2 | 48 |
| 38 | Improved fluoroquinolone detection in ELISA through engineering of a broad-specific single-chain variable fragment binding simultaneously to 20 fluoroquinolones. Analytical and Bioanalytical Chemistry, 2012, 403, 2771-2783. | 3.7 | 46 |
| 39 | Portable Multiplex Immunochromatographic Assay for Quantitation of Two Typical Algae Toxins Based on Dual-Color Fluorescence Microspheres. Journal of Agricultural and Food Chemistry, 2019, 67, 6041-6047. | 5.2 | 46 |
| 40 | Development of a new broad-specific monoclonal antibody with uniform affinity for aflatoxins and magnetic beads-based enzymatic immunoassay. Food Control, 2017, 79, 309-316. | 5.5 | 43 |
| 41 | Characterization and application of quantum dot nanocrystalâ€“monoclonal antibody conjugates for the determination of sulfamethazine in milk by fluoroimmunoassay. Analytical and Bioanalytical Chemistry, 2007, 389, 2243-2250. | 3.7 | 42 |
| 42 | Simultaneous determination of thiamphenicol, florfenicol and florfenicol amine in swine muscle by liquid chromatographyâ€“tandem mass spectrometry with immunoaffinity chromatography clean-up. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 207-212. | 2.3 | 42 |
| 43 | Development of a lateral flow fluorescent microsphere immunoassay for the determination of sulfamethazine in milk. Analytical and Bioanalytical Chemistry, 2013, 405, 6783-6789. | 3.7 | 42 |
| 44 | Chemiluminescence Resonance Energy Transfer Competitive Immunoassay Employing Hapten-Functionalized Quantum Dots for the Detection of Sulfamethazine. ACS Applied Materials & Interfaces, 2016, 8, 17745-17750. | 8.0 | 42 |
| 45 | Universal simultaneous multiplex ELISA of small molecules in milk based on dual luciferases. Analytica Chimica Acta, 2018, 1001, 125-133. | 5.4 | 42 |
| 46 | Development of a fluorescence immunoassay for highly sensitive detection of amantadine using the nanoassembly of carbon dots and MnO2 nanosheets as the signal probe. Sensors and Actuators B: Chemical, 2019, 286, 214-221. | 7.8 | 41 |
| 47 | Magnetic assisted fluorescence immunoassay for sensitive chloramphenicol detection using carbon dots@CaCO3 nanocomposites. Journal of Hazardous Materials, 2021, 402, 123942. | 12.4 | 41 |
| 48 | Chemiluminescence competitive indirect enzyme immunoassay for 20 fluoroquinolone residues in fish and shrimp based on a single-chain variable fragment. Analytical and Bioanalytical Chemistry, 2013, 405, 7477-7484. | 3.7 | 40 |
| 49 | New haptens and antibodies for ractopamine. Food Chemistry, 2015, 183, 111-114. | 8.2 | 39 |
| 50 | Development of a sensitive enzyme-linked immunosorbent assay for the detection of fumonisin B1 in maize. Toxicon, 2012, 60, 1245-1250. | 1.6 | 38 |
| 51 | Design, synthesis and characterization of tracers and development of a fluorescence polarization immunoassay for the rapid detection of ractopamine in pork. Food Chemistry, 2019, 271, 9-17. | 8.2 | 38 |
| 52 | Dual-wavelength fluorescence polarization immunoassay to increase information content per screen: Applications for simultaneous detection of total aflatoxins and family zearalenones in maize. Food Control, 2018, 87, 100-108. | 5.5 | 37 |
| 53 | Homogeneous fluorescent immunoassay for the simultaneous detection of chloramphenicol and amantadine via the duplex FRET between carbon dots and WS2 nanosheets. Food Chemistry, 2020, 327, 127107. | 8.2 | 37 |
| 54 | Metabolic Pathways of T-2 Toxin in in Vivo and in Vitro Systems of Wistar Rats. Journal of Agricultural and Food Chemistry, 2013, 61, 9734-9743. | 5.2 | 36 |

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|---|---|---|---|
| 55 | High Specific Monoclonal Antibody Production and Development of an ELISA Method for Monitoring T-2 Toxin in Rice. Journal of Agricultural and Food Chemistry, 2014, 62, 1492-1497. | 5.2 | 36 |
| 56 | Class-Specific Monoclonal Antibodies and Dihydropteroate Synthase in Bioassays Used for the Detection of Sulfonamides: Structural Insights into Recognition Diversity. Analytical Chemistry, 2019, 91, 2392-2400. | 6.5 | 36 |
| 57 | Determination of Enrofloxacin in Bovine Milk by a Novel Single-Stranded DNA Aptamer Chemiluminescent Enzyme Immunoassay. Analytical Letters, 2014, 47, 2844-2856. | 1.8 | 35 |
| 58 | 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. Journal of Agricultural and Food Chemistry, 2017, 65, 11292-11303. | 5.2 | 35 |
| 59 | An ultrasensitive chemiluminescent ELISA for determination of chloramphenicol in milk, milk powder, honey, eggs and chicken muscle. Food and Agricultural Immunology, 2014, 25, 137-148. | 1.4 | 34 |
| 60 | Simultaneous Screening Analysis of 3-Methyl-quinoxaline-2-carboxylic Acid and Quinoxaline-2-carboxylic Acid Residues in Edible Animal Tissues by a Competitive Indirect Immunoassay. Journal of Agricultural and Food Chemistry, 2013, 61, 10018-10025. | 5.2 | 32 |
| 61 | In vitro and in vivo metabolism of ochratoxin A: a comparative study using ultra-performance liquid chromatography-quadrupole/time-of-flight hybrid mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 3579-3589. | 3.7 | 32 |
| 62 | New Hapten Synthesis, Antibody Production, and Indirect Competitive Enzyme-Linked Immnunosorbent Assay for Amantadine in Chicken Muscle. Food Analytical Methods, 2018, 11, 302-308. | 2.6 | 32 |
| 63 | 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. Analytica Chimica Acta, 2018, 1027, 130-136. | 5.4 | 30 |
| 64 | Dihydropteroate synthase based sensor for screening multi-sulfonamides residue and its comparison with broad-specific antibody based immunoassay by molecular modeling analysis. Analytica Chimica Acta, 2019, 1050, 139-145. | 5.4 | 30 |
| 65 | Fluorescence polarisation immunoassay based on a monoclonal antibody for the detection of sulphamethazine in chicken muscle. International Journal of Food Science and Technology, 2007, 42, 36-44. | 2.7 | 29 |
| 66 | Enzymeâ€Loaded Hemin/Gâ€Quadruplexâ€Modified ZIFâ€90 Metalâ€“Organic Framework Nanoparticles: Bioreactor Nanozymes for the Cascaded Oxidation of Nâ€hydroxyâ€<scp>l</scp>â€arginine and Sensing Applications. Small, 2022, 18, e2104420. | 10.0 | 29 |
| 67 | A novel hapten and monoclonal antibody-based indirect competitive ELISA for simultaneous analysis of alternariol and alternariol monomethyl ether in wheat. Food Control, 2018, 94, 65-70. | 5.5 | 27 |
| 68 | Engineered magnetosomes fused to functional molecule (protein A) provide a highly effective alternative to commercial immunomagnetic beads. Journal of Nanobiotechnology, 2019, 17, 37. | 9.1 | 27 |
| 69 | Development and optimization of a fluorescence polarization immunoassay for orbifloxacin in milk. Analytical Methods, 2014, 6, 3849-3857. | 2.7 | 26 |
| 70 | Production of Monoclonal Antibody and Development of a New Immunoassay for Apramycin in Food. Journal of Agricultural and Food Chemistry, 2014, 62, 3108-3113. | 5.2 | 26 |
| 71 | A highly sensitive and class-specific fluorescence polarisation assay for sulphonamides based on dihydropteroate synthase. Biosensors and Bioelectronics, 2015, 70, 1-4. | 10.1 | 26 |
| 72 | Comparison of Fluorescent Microspheres and Colloidal Gold as Labels in Lateral Flow Immunochromatographic Assays for the Detection of T-2 Toxin. Molecules, 2016, 21, 27. | 3.8 | 26 |

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|---|---|---|---|
| 73 | Simple, high efficiency detection of microcystins and nodularin-R in water by fluorescence polarization immunoassay. Analytica Chimica Acta, 2017, 992, 119-127. | 5.4 | 26 |
| 74 | Ratiometric fluorescent sensing system for drug residue analysis: Highly sensitive immunosensor using dual-emission quantum dots hybrid and compact smartphone based-device. Analytica Chimica Acta, 2020, 1102, 91-98. | 5.4 | 26 |
| 75 | Highly Broad-Specific and Sensitive Enzyme-Linked Immunosorbent Assay for Screening Sulfonamides: Assay Optimization and Application to Milk Samples. Food Analytical Methods, 2014, 7, 1992-2002. | 2.6 | 25 |
| 76 | Production of monoclonal antibodies with broad specificity and development of an immunoassay for microcystins and nodularin in water. Analytical and Bioanalytical Chemistry, 2016, 408, 6037-6044. | 3.7 | 25 |
| 77 | Highly sensitive SERS immunosensor for the detection of amantadine in chicken based on flower-like gold nanoparticles and magnetic bead separation. Food and Chemical Toxicology, 2018, 118, 589-594. | 3.6 | 25 |
| 78 | Gd3+-nanoparticle-enhanced multivalent biosensing that combines magnetic relaxation switching and magnetic separation. Biosensors and Bioelectronics, 2020, 155, 112106. | 10.1 | 25 |
| 79 | Determination of deoxynivalenol in cereals by immunoaffinity clean-up and ultra-high performance liquid chromatography tandem mass spectrometry. Methods, 2012, 56, 192-197. | 3.8 | 24 |
| 80 | Penicillin-binding protein 3 of Streptococcus pneumoniae and its application in screening of Î²-lactams in milk. Analytical Biochemistry, 2013, 442, 158-165. | 2.4 | 24 |
| 81 | Development and Application of a Gel-Based Immunoassay for the Rapid Screening of Salbutamol and Ractopamine Residues in Pork. Journal of Agricultural and Food Chemistry, 2015, 63, 10556-10561. | 5.2 | 24 |
| 82 | Monoclonal Antibody Production and the Development of an Indirect Competitive Enzyme-Linked Immunosorbent Assay for Screening Spiramycin in Milk. Journal of Agricultural and Food Chemistry, 2013, 61, 10925-10931. | 5.2 | 23 |
| 83 | In Vitro and in Vivo Metabolite Profiling of Valnemulin Using Ultraperformance Liquid Chromatographyâ€“Quadrupole/Time-of-Flight Hybrid Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2014, 62, 9201-9210. | 5.2 | 23 |
| 84 | 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. Journal of Agricultural and Food Chemistry, 2015, 63, 8592-8600. | 5.2 | 23 |
| 85 | Hydrophobic Moiety of Capsaicinoids Haptens Enhancing Antibody Performance in Immunoassay: Evidence from Computational Chemistry and Molecular Recognition. Journal of Agricultural and Food Chemistry, 2021, 69, 9957-9967. | 5.2 | 23 |
| 86 | A proof-of-concept receptor-based assay for sulfonamides. Analytical Biochemistry, 2013, 438, 110-116. | 2.4 | 22 |
| 87 | Comprehensive Analysis of Tiamulin Metabolites in Various Species of Farm Animals Using Ultra-High-Performance Liquid Chromatography Coupled to Quadrupole/Time-of-Flight. Journal of Agricultural and Food Chemistry, 2017, 65, 199-207. | 5.2 | 22 |
| 88 | One-Step Core/Multishell Quantum Dots-Based Fluoroimmunoassay for Screening of Deoxynivalenol in Maize. Food Analytical Methods, 2018, 11, 2569-2578. | 2.6 | 22 |
| 89 | Novel hapten design, antibody recognition mechanism study, and a highly sensitive immunoassay for diethylstilbestrol in shrimp. Analytical and Bioanalytical Chemistry, 2019, 411, 5255-5265. | 3.7 | 22 |
| 90 | Fluorescent lateral flow immunoassay for highly sensitive detection of eight anticoagulant rodenticides based on cadmium-free quantum dot-encapsulated nanospheres. Sensors and Actuators B: Chemical, 2020, 324, 128771. | 7.8 | 22 |

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|---|---|---|---|
| 91 | Simultaneous determination of sulphamerazine, sulphamethazine and sulphadiazine in honey and chicken muscle by a new monoclonal antibody-based fluorescence polarisation immunoassay. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 574-582. | 2.3 | 21 |
| 92 | Development of an enzyme-linked immunosorbent assay for the detection of florfenicol in fish feed. Food and Agricultural Immunology, 2009, 20, 57-65. | 1.4 | 21 |
| 93 | Development of a rapid competitive indirect ELISA procedure for the determination of deoxynivalenol in cereals. Food and Agricultural Immunology, 2012, 23, 41-49. | 1.4 | 21 |
| 94 | Comparative metabolism of Lappaconitine in rat and human liver microsomes and in vivo of rat using ultra high-performance liquid chromatographyâ€“quadrupole/time-of-flight mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2015, 110, 1-11. | 2.8 | 21 |
| 95 | 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. Journal of Agricultural and Food Chemistry, 2017, 65, 7217-7227. | 5.2 | 21 |
| 96 | Quantitative and rapid detection of amantadine and chloramphenicol based on various quantum dots with the same excitations. Analytical and Bioanalytical Chemistry, 2019, 411, 2131-2140. | 3.7 | 21 |
| 97 | Progress in immunoassays for nitrofurans detection. Food and Agricultural Immunology, 2020, 31, 907-926. | 1.4 | 21 |
| 98 | Hapten Design and Monoclonal Antibody to Fluoroacetamide, a Small and Highly Toxic Chemical. Biomolecules, 2020, 10, 986. | 4.0 | 21 |
| 99 | Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Detection of Dibutyl Phthalate in White Wine, Compared With GC-MS. Food Analytical Methods, 2014, 7, 1619-1626. | 2.6 | 20 |
| 100 | A Homogeneous Fluorescence Polarization Immunoassay for the Determination of Cephalexin and Cefadroxil in Milk. Food Analytical Methods, 2014, 7, 879-886. | 2.6 | 19 |
| 101 | A one-step chemiluminescence immunoassay for 20 fluoroquinolone residues in fish and shrimp based on a single chain Fvâ€“alkaline phosphatase fusion protein. Analytical Methods, 2015, 7, 9032-9039. | 2.7 | 19 |
| 102 | Broadening the Detection Spectrum of Small Analytes Using a Two-Antibody-Designed Hybrid Immunoassay. Analytical Chemistry, 2018, 90, 4901-4908. | 6.5 | 19 |
| 103 | A Class-Selective Immunoassay for Sulfonamides Residue Detection in Milk Using a Superior Polyclonal Antibody with Broad Specificity and Highly Uniform Affinity. Molecules, 2019, 24, 443. | 3.8 | 19 |
| 104 | An Aggregation-Induced Emission-Based Indirect Competitive Immunoassay for Fluorescence â€œTurn-Onâ€• Detection of Drug Residues in Foodstuffs. Frontiers in Chemistry, 2019, 7, 228. | 3.6 | 19 |
| 105 | Haptenâ€“antibody recognition studies in competitive immunoassay of Î±â€zearalanol analogs by computational chemistry and Pearson Correlation analysis. Journal of Molecular Recognition, 2011, 24, 815-823. | 2.1 | 18 |
| 106 | An ultrasensitive chemiluminescence immunoassay of chloramphenicol based on gold nanoparticles and magnetic beads. Drug Testing and Analysis, 2013, 5, 346-352. | 2.6 | 18 |
| 107 | Simultaneous determination of chloramphenicol and clenbuterol in milk with hybrid chemiluminescence immunoassays. Analytical Methods, 2014, 6, 1021. | 2.7 | 18 |
| 108 | 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. Analytical and Bioanalytical Chemistry, 2015, 407, 8571-8583. | 3.7 | 18 |

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|---|---|---|---|
| 109 | Four Specific Hapten Conformations Dominating Antibody Specificity: Quantitative Structureâ€“Activity Relationship Analysis for Quinolone Immunoassay. Analytical Chemistry, 2017, 89, 6740-6748. | 6.5 | 18 |
| 110 | Development of Sandwich Double-Competitive ELISA for Sulfonamides. Comparative Analytical Characteristics and Matrix Effect Resistance. Food Analytical Methods, 2018, 11, 663-674. | 2.6 | 18 |
| 111 | Novel inner ï¬lter effect-based fluorescence immunoassay with gold nanoclusters for bromadiolone detection in human serum. Sensors and Actuators B: Chemical, 2019, 297, 126787. | 7.8 | 18 |
| 112 | Development of an immunoassay for the detection of carbaryl in cereals based on a camelid variable heavyâ€chain antibody domain. Journal of the Science of Food and Agriculture, 2019, 99, 4383-4390. | 3.5 | 18 |
| 113 | Hapten synthesis, monoclonal antibody production and immunoassay development for direct detection of 4-hydroxybenzehydrazide in chicken, the metabolite of nifuroxazide. Food Chemistry, 2021, 355, 129598. | 8.2 | 18 |
| 114 | Simultaneous Determination of Florfenicol and Its Metabolite Florfenicol Amine in Swine Muscle Tissue by a Heterologous Enzyme-Linked Immunosorbent Assay. Journal of AOAC INTERNATIONAL, 2009, 92, 981-988. | 1.5 | 17 |
| 115 | Development and validation of a chemiluminescent ELISA for simultaneous determination of florfenicol and its metabolite florfenicol amine in chicken muscle. Analytical Methods, 2012, 4, 4083. | 2.7 | 17 |
| 116 | A sensitive and specific ELISA for determining a residue marker of three quinoxaline antibiotics in swine liver. Analytical and Bioanalytical Chemistry, 2013, 405, 2653-2659. | 3.7 | 17 |
| 117 | Production of antibodies and development of enzyme-linked immunosorbent assay for valnemulin in porcine liver. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 244-252. | 2.3 | 17 |
| 118 | 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. Analytical Chemistry, 2017, 89, 12209-12216. | 6.5 | 17 |
| 119 | Comparison of soybean peroxidase with horseradish peroxidase and alkaline phosphatase used in immunoassays. Analytical Biochemistry, 2019, 581, 113336. | 2.4 | 17 |
| 120 | Influence of Small Molecular Property on Antibody Response. Journal of Agricultural and Food Chemistry, 2020, 68, 10944-10950. | 5.2 | 17 |
| 121 | Current advances in immunoassays for quinolones in food and environmental samples. TrAC - Trends in Analytical Chemistry, 2022, 157, 116726. | 11.4 | 17 |
| 122 | Investigation of Antigen-Antibody Interactions of Sulfonamides with a Monoclonal Antibody in a Fluorescence Polarization Immunoassay Using 3D-QSAR Models. International Journal of Molecular Sciences, 2012, 13, 6334-6351. | 4.1 | 16 |
| 123 | Simultaneous determination of chloramphenicol, florfenicol and florfenicol amine in ham sausage with a hybrid chemiluminescent immunoassay. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 804-812. | 2.3 | 16 |
| 124 | Determination of Ochratoxin A in Cereals and Feeds by Ultra-performance Liquid Chromatography Coupled to Tandem Mass Spectrometry with Immunoaffinity Column Clean-up. Food Analytical Methods, 2014, 7, 854-864. | 2.6 | 16 |
| 125 | High-Sensitive Chemiluminescent ELISA Method Investigation for the Determination of Deoxynivalenol in Rice. Food Analytical Methods, 2015, 8, 656-660. | 2.6 | 16 |
| 126 | Unraveling the Metabolic Routes of Retapamulin: Insights into Drug Development of Pleuromutilins. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 3.2 | 16 |

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|---|---|---|---|
| 127 | Lateral flow immunoassay for furazolidone point-of-care testing: Cater to the call of saving time, labor, and cost by coomassie brilliant blue labeling. Food Chemistry, 2021, 352, 129415. | 8.2 | 16 |
| 128 | Fluorescence polarization as a tool for the detection of a widely used herbicide, butachlor, in polluted waters. Analytical Methods, 2011, 3, 2334. | 2.7 | 15 |
| 129 | Detection of Ultratrace Chloramphenicol Residues in Milk and Chicken Muscle Samples Using a Chemiluminescent ELISA. Analytical Letters, 2012, 45, 1254-1263. | 1.8 | 15 |
| 130 | Forcing immunoassay for sulfonamides to higher sensitivity and broader detection spectrum by site heterologous hapten inducing affinity improvement. Analytical Methods, 2013, 5, 6990. | 2.7 | 15 |
| 131 | Development of a highly sensitive chemiluminescence enzyme immunoassay using enhanced luminol as substrate. Luminescence, 2014, 29, 301-306. | 2.9 | 15 |
| 132 | Non-CTAB synthesized gold nanorods-based immunochromatographic assay for dual color and on-site detection of aflatoxins and zearalenones in maize. Food Control, 2020, 118, 107418. | 5.5 | 15 |
| 133 | Site-directed mutations of anti-amantadine scFv antibody by molecular dynamics simulation: prediction and validation. Journal of Molecular Modeling, 2020, 26, 49. | 1.8 | 15 |
| 134 | Selection of Anti-Sulfadimidine Specific ScFvs from a Hybridoma Cell by Eukaryotic Ribosome Display. PLoS ONE, 2009, 4, e6427. | 2.5 | 15 |
| 135 | Determination of the veterinary drug maduramicin in food by fluorescence polarisation immunoassay. International Journal of Food Science and Technology, 2008, 43, 114-122. | 2.7 | 14 |
| 136 | Fluorescence polarization immunoassay using IgY antibodies for detection of valnemulin in swine tissue. Analytical and Bioanalytical Chemistry, 2015, 407, 7843-7848. | 3.7 | 14 |
| 137 | Binding affinity-guided design of a highly sensitive noncompetitive immunoassay for small molecule detection. Food Chemistry, 2021, 351, 129270. | 8.2 | 14 |
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