Suxia Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1379295/publications.pdf

Version: 2024-02-01

111 papers	2,811 citations	185998 28 h-index	223531 46 g-index
111 all docs	111 docs citations	111 times ranked	2947 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.	2.4	274
2	Mycotoxin Biomarkers of Exposure: A Comprehensive Review. Comprehensive Reviews in Food Science and Food Safety, 2018, 17, 1127-1155.	5.9	134
3	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.	1.2	126
4	A green triple-locked strategy based on volatile-compound imaging, chemometrics, and markers to discriminate winter honey and sapium honey using headspace gas chromatography-ion mobility spectrometry. Food Research International, 2019, 119, 960-967.	2.9	76
5	A universal multi-wavelength fluorescence polarization immunoassay for multiplexed detection of mycotoxins in maize. Biosensors and Bioelectronics, 2016, 79, 258-265.	5.3	75
6	Research progress on distribution, sources, identification, toxicity, and biodegradation of microplastics in the ocean, freshwater, and soil environment. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	74
7	Development of a Chemiluminescent ELISA for Determining Chloramphenicol in Chicken Muscle. Journal of Agricultural and Food Chemistry, 2006, 54, 5718-5722.	2.4	73
8	Emergence of Colistin Resistance Gene mcr-8 and Its Variant in Raoultella ornithinolytica. Frontiers in Microbiology, 2019, 10, 228.	1.5	70
9	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.	4.2	67
10	Development of a highly sensitive and specific immunoassay for enrofloxacin based on heterologous coating haptens. Analytica Chimica Acta, 2014, 820, 152-158.	2.6	63
11	General Bioluminescence Resonance Energy Transfer Homogeneous Immunoassay for Small Molecules Based on Quantum Dots. Analytical Chemistry, 2016, 88, 3512-3520.	3.2	52
12	Strategy for comparative untargeted metabolomics reveals honey markers of different floral and geographic origins using ultrahigh-performance liquid chromatography-hybrid quadrupole-orbitrap mass spectrometry. Journal of Chromatography A, 2017, 1499, 78-89.	1.8	51
13	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.	2.4	46
14	Optimization and application of parallel solid-phase extraction coupled with ultra-high performance liquid chromatographyâ€“tandem mass spectrometry for the determination of 11 aminoglycoside residues in honey and royal jelly. Journal of Chromatography A, 2018, 1542, 28-36.	1.8	44
15	Chemiluminescence Resonance Energy Transfer Competitive Immunoassay Employing Hapten-Functionalized Quantum Dots for the Detection of Sulfamethazine. ACS Applied Materials & Interfaces, 2016, 8, 17745-17750.	4.0	42
16	Mycotoxin exposure assessments in a multi-center European validation study by 24-hour dietary recall and biological fluid sampling. Environment International, 2020, 137, 105539.	4.8	41
17	Simultaneous Determination of Florfenicol and Florfenicol Amine in Fish, Shrimp, and Swine Muscle by Gas Chromatography with a Microcell Electron Capture Detector. Journal of AOAC INTERNATIONAL, 2006, 89, 1437-1442.	0.7	40
18	New haptens and antibodies for ractopamine. Food Chemistry, 2015, 183, 111-114.	4.2	39

#	Article	IF	Citations
19	Evaluation of dermal irritation and skin sensitization due to vitacoxib. Toxicology Reports, 2017, 4, 287-290.	1.6	39
20	Identification of Multiresistance Genecfrin Methicillin-Resistant Staphylococcus aureus from Pigs: Plasmid Location and Integration into a Staphylococcal Cassette ChromosomemecComplex. Antimicrobial Agents and Chemotherapy, 2015, 59, 3641-3644.	1.4	38
21	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.	4.2	38
22	An integrated data-dependent and data-independent acquisition method for hazardous compounds screening in foods using a single UHPLC-Q-Orbitrap run. Journal of Hazardous Materials, 2021, 401, 123266.	6.5	37
23	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.	2.4	36
24	Determination of Enrofloxacin in Bovine Milk by a Novel Single-Stranded DNA Aptamer Chemiluminescent Enzyme Immunoassay. Analytical Letters, 2014, 47, 2844-2856.	1.0	35
25	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.	2.4	35
26	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.	1.9	32
27	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.	2.6	30
28	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.	1.3	29
29	Simultaneous determination of mequindox, quinocetone, and their major metabolites in chicken and pork by UPLCâ€“MS/MS. Food Chemistry, 2014, 160, 171-179.	4.2	27
30	Simultaneous Determination of Nitroimidazole Residues in Honey Samples by High-Performance Liquid Chromatography with Ultraviolet Detection. Journal of AOAC INTERNATIONAL, 2007, 90, 872-878.	0.7	26
31	Development and optimization of a fluorescence polarization immunoassay for orbifloxacin in milk. Analytical Methods, 2014, 6, 3849-3857.	1.3	26
32	A highly sensitive and class-specific fluorescence polarisation assay for sulphonamides based on dihydropteroate synthase. Biosensors and Bioelectronics, 2015, 70, 1-4.	5.3	26
33	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.	1.7	26
34	Simple, high efficiency detection of microcystins and nodularin-R in water by fluorescence polarization immunoassay. Analytica Chimica Acta, 2017, 992, 119-127.	2.6	26
35	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.	1.3	25
36	Metabolomic analysis of swine urine treated with Î²2-agonists by ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2015, 1400, 74-81.	1.8	25

#	Article	IF	Citations
37	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.	1.8	25
38	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.	2.4	24
39	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.	2.4	23
40	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.	2.4	23
41	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.	2.4	22
42	Deglucosylation of zearalenone-14-glucoside in animals and human liver leads to underestimation of exposure to zearalenone in humans. Archives of Toxicology, 2018, 92, 2779-2791.	1.9	22
43	Novel hapten design, antibody recognition mechanism study, and a highly sensitive immunoassay for diethylstilbestrol in shrimp. Analytical and Bioanalytical Chemistry, 2019, 411, 5255-5265.	1.9	22
44	Development of an enzyme-linked immunosorbent assay for the detection of florfenicol in fish feed. Food and Agricultural Immunology, 2009, 20, 57-65.	0.7	21
45	Development of a rapid competitive indirect ELISA procedure for the determination of deoxynivalenol in cereals. Food and Agricultural Immunology, 2012, 23, 41-49.	0.7	21
46	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.	1.4	21
47	Safety assessment of vitacoxib: Acute and 90-day sub-chronic oral toxicity studies. Regulatory Toxicology and Pharmacology, 2017, 86, 49-58.	1.3	21
48	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.	2.4	21
49	Determination of Chloramphenicol Residue in Chicken Tissues by Immunoaffinity Chromatography Cleanup and Gas Chromatography with aMicrocell Electron Capture Detector. Journal of AOAC INTERNATIONAL, 2006, 89, 369-373.	0.7	20
50	Determination of vitacoxib, a novel COX-2 inhibitor, in equine plasma using UPLCâ€“MS/MS detection: Development and validation of new methodology. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1061-1062, 270-274.	1.2	20
51	Toxicokinetics of Î±-zearalenol and its masked form in rats and the comparative biotransformation in liver microsomes from different livestock and humans. Journal of Hazardous Materials, 2020, 393, 121403.	6.5	20
52	Gelsedine-type alkaloids: Discovery of natural neurotoxins presented in toxic honey. Journal of Hazardous Materials, 2020, 381, 120999.	6.5	20
53	Determination of Nitroimidazoles and Their Metabolites in Swine Tissues by Liquid Chromatography. Journal of AOAC INTERNATIONAL, 2003, 86, 505-509.	0.7	19
54	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.	1.3	19

#	Article	IF	Citations
55	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.	1.7	19
56	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.	1.9	18
57	Multiresidue Analysis of Avermectins in Cattle Liver by Liquid Chromatography/Tandem Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2006, 89, 1110-1115.	0.7	17
58	GCâ€“MS Method for Simultaneous Determination of Four Sedative Hypnotic Residues in Swine Tissues. Chromatographia, 2010, 71, 155-158.	0.7	16
59	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.	1.3	16
60	High-Sensitive Chemiluminescent ELISA Method Investigation for the Determination of Deoxynivalenol in Rice. Food Analytical Methods, 2015, 8, 656-660.	1.3	16
61	Unraveling the Metabolic Routes of Retapamulin: Insights into Drug Development of Pleuromutilins. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	16
62	Forcing immunoassay for sulfonamides to higher sensitivity and broader detection spectrum by site heterologous hapten inducing affinity improvement. Analytical Methods, 2013, 5, 6990.	1.3	15
63	Determination of the veterinary drug maduramicin in food by fluorescence polarisation immunoassay. International Journal of Food Science and Technology, 2008, 43, 114-122.	1.3	14
64	Fluorescence polarization immunoassay using IgY antibodies for detection of valnemulin in swine tissue. Analytical and Bioanalytical Chemistry, 2015, 407, 7843-7848.	1.9	14
65	Heterogeneity and Diversity of mcr-8 Genetic Context in Chicken-Associated Klebsiella pneumoniae. Antimicrobial Agents and Chemotherapy, 2020, 65, .	1.4	14
66	Development of a chemiluminescent competitive indirect ELISA method procedure for the determination of gentamicin in milk. Analytical Methods, 2012, 4, 2151.	1.3	13
67	New haptens synthesis, antibody production and comparative molecular field analysis for tetracyclines. RSC Advances, 2014, 4, 53788-53794.	1.7	12
68	Metabolic Profile, Bioavailability and Toxicokinetics of Zearalenone-14-Glucoside in Rats after Oral and Intravenous Administration by Liquid Chromatography High-Resolution Mass Spectrometry and Tandem Mass Spectrometry. International Journal of Molecular Sciences, 2019, 20, 5473.	1.8	12
69	Fluorescence polarization immunoassay for salinomycin based on monoclonal antibodies. Science China Chemistry, 2010, 53, 553-555.	4.2	11
70	Analysis of mequindox and its two metabolites in swine liver by UPLC-MS/MS. Analytical Methods, 2012, 4, 859.	1.3	11
71	Simultaneous determination of type-A and type-B trichothecenes in rice by UPLC-MS/MS. Analytical Methods, 2012, 4, 4077.	1.3	11
72	Acute, mutagenicity, teratogenicity and subchronic oral toxicity studies of diaveridine in rodents. Environmental Toxicology and Pharmacology, 2015, 40, 660-670.	2.0	11

#	Article	IF	Citations
73	Toxicokinetics of HT-2 Toxin in Rats and Its Metabolic Profile in Livestock and Human Liver Microsomes. Journal of Agricultural and Food Chemistry, 2018, 66, 8160-8168.	2.4	11
74	A liposome immune lysis assay for enrofloxacin in carp and chicken muscle. Analytica Chimica Acta, 2008, 612, 83-88.	2.6	10
75	A specific UPLC-ESI-MS/MS method for analysis of cyadox and its three main metabolites in fish samples. Analytical Methods, 2012, 4, 217-221.	1.3	10
76	Antibody purification using affinity chromatography: A case study with a monoclonal antibody to ractopamine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 971, 10-13.	1.2	10
77	Data-dependent acquisition based high-resolution mass spectrum for trace Alternaria mycotoxin analysis and sulfated metabolites identification. Food Chemistry, 2021, 364, 130450.	4.2	10
78	Determination of Six Resorcylic Acid Lactones in Feed by GCâ€“MS. Chromatographia, 2010, 71, 163-165.	0.7	9
79	Heterologous structure of coating antigen on sensitivity of ELISA for sulfamethazine: evidence from molecular similarity analysis. Food and Agricultural Immunology, 2011, 22, 115-124.	0.7	9
80	Safety assessment of vitacoxib: 180-day chronic oral toxicity studies. Regulatory Toxicology and Pharmacology, 2018, 95, 244-249.	1.3	9
81	Determination of T-2 Toxin and HT-2 Toxin in Milk: A Comparison of Three Formats of Immunoassays. Analytical Letters, 2012, 45, 2425-2435.	1.0	8
82	Simultaneous Determination of Three Tranquillizers in Lamb Liver by Ultra-Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry. Food Analytical Methods, 2015, 8, 1876-1882.	1.3	8
83	Evaluation of pharmacokinetic properties of vitacoxib in fasted and fed horses. Journal of Veterinary Pharmacology and Therapeutics, 2018, 41, 843-847.	0.6	8
84	Hapten Synthesis and Monoclonal Antibody Preparation for Simultaneous Detection of Albendazole and Its Metabolites in Animal-Origin Food. Foods, 2021, 10, 3106.	1.9	8
85	Mutagenicity and teratogenicity studies of vitacoxib in rats and mice. Toxicology Reports, 2018, 5, 827-831.	1.6	7
86	Pharmacokinetics of altrenogest in gilts. Journal of Veterinary Pharmacology and Therapeutics, 2019, 42, 660-664.	0.6	7
87	Synthesis of hapten, production of monoclonal antibody, and development of immunoassay for ribavirin detection in chicken. Journal of Food Science, 2021, 86, 2851-2860.	1.5	7
88	Pharmacokinetics of neomycin sulfate after intravenous and oral administrations in swine. Journal of Veterinary Pharmacology and Therapeutics, 2021, 44, 850-853.	0.6	7
89	Determination of Nitroimidazole Residues in Porcine Urine by Liquid Chromatography/TandemMass Spectrometry. Journal of AOAC INTERNATIONAL, 2006, 89, 1116-1119.	0.7	6
90	Purification of Nine Sulfonamides from Chicken Tissues by Immunoaffinity Chromatography Using Two Monoclonal Antibodies. Journal of AOAC INTERNATIONAL, 2008, 91, 1488-1493.	0.7	6

#	Article	IF	Citations
91	Rapid Screening of Quinoxaline Antimicrobial Growth Promoters and Their Metabolites in Swine Liver by Indirect Competitive Enzyme-Linked Immunosorbent Assay. Food Analytical Methods, 2013, 6, 1583-1591.	1.3	6
92	Pharmacokinetics of the novel <scp>COX</scp>â€2 selective inhibitor vitacoxib in cats: The effects of feeding and dose. Journal of Veterinary Pharmacology and Therapeutics, 2019, 42, 294-299.	0.6	6
93	Antibody engineering-driven controllable chemiluminescence resonance energy transfer for immunoassay with tunable dynamic range. Analytica Chimica Acta, 2021, 1152, 338231.	2.6	6
94	Integrated immunoassay-based broad detection of multi-class mycotoxins. Food and Agricultural Immunology, 2018, 29, 615-624.	0.7	5
95	Pharmacokinetics of vitacoxib in rabbits after intravenous and oral administration. Journal of Veterinary Pharmacology and Therapeutics, 2019, 42, 368-371.	0.6	5
96	Peptide nucleic acid restores colistin susceptibility through modulation of MCR-1 expression in Escherichia coli. Journal of Antimicrobial Chemotherapy, 2020, 75, 2059-2065.	1.3	5
97	Production of highly sensitive monoclonal antibody and development of lateral flow assays for phallotoxin detection in urine. Analytical and Bioanalytical Chemistry, 2021, 413, 4979-4987.	1.9	5
98	Synthesis and characterization of tracers and development of a fluorescence polarization immunoassay for amantadine with high sensitivity in chicken. Journal of Food Science, 2021, 86, 4754-4767.	1.5	5
99	Simultaneous determination of florfenicol and florfenicol amine in fish, shrimp, and swine muscle by gas chromatography with a microcell electron capture detector. Journal of AOAC INTERNATIONAL, 2006, 89, 1437-41.	0.7	5
100	Comparative Metabolism of Mequindox in Liver Microsomes, Hepatocytes, and Intestinal Microflora of Chicken. Analytical Letters, 2012, 45, 1749-1763.	1.0	4
101	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. Journal of Chromatography A, 2020, 1609, 460432.	1.8	4
102	Multi-wavelength fluorescence polarization immunoassays for simultaneous detection of amantadine and ribavirin in chicken and human serum. Food and Agricultural Immunology, 2021, 32, 321-335.	0.7	4
103	Determination of Lekethromycin, a Novel Macrolide Lactone, in Rat Plasma by UPLC-MS/MS and Its Application to a Pharmacokinetic Study. Molecules, 2020, 25, 4676.	1.7	3
104	Pharmacokinetics of three formulations of vitacoxib in horses. Journal of Veterinary Pharmacology and Therapeutics, 2020, 43, 364-368.	0.6	3
105	The bioavailability and pharmacokinetics of an amoxicillinâ€“clavulanic acid granular combination after intravenous and oral administration in swine. Journal of Veterinary Pharmacology and Therapeutics, 2021, 44, 126-130.	0.6	3
106	Determination of chloramphenicol residue in chicken tissues by immunoaffinity chromatography cleanup and gas chromatography with a microcell electron capture detector. Journal of AOAC INTERNATIONAL, 2006, 89, 369-73.	0.7	3
107	The pharmacokinetics of moxidectin following intravenous and topical administration to swine. Journal of Veterinary Pharmacology and Therapeutics, 2019, 42, 111-115.	0.6	2
108	Development of Fluorescence Polarization Immunoassay With scFv to Detect Fumonisin Bs in Maize and Simultaneous Study of Their Molecular Recognition Mechanism. Frontiers in Chemistry, 2022, 10, 829038.	1.8	2

#	Article	IF	Citations
109	Pharmacokinetics and bioavailability of carbetocin after intravenous and intramuscular administration in cows and gilts. Journal of Veterinary Pharmacology and Therapeutics, 2020, 43, 237-240.	0.6	1
110	Development of a Highly Sensitive and Specific ic-ELISA and Lateral Flow Immunoassay for Diacetoxyscirpenol. Foods, 2022, 11, 1548.	1.9	1
111	Development of a GC-MS/MS method for determination of organochlorine pesticide residues in wild Ligusticum chuanxiong and chestnut. Journal of Analytical Chemistry, 2013, 68, 275-282.	0.4	0