

Zonghui Yuan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3489074/publications.pdf>

Version: 2024-02-01

110
papers

4,095
citations

147801

31
h-index

133252

59
g-index

113
all docs

113
docs citations

113
times ranked

5567
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic alternatives: the substitution of antibiotics in animal husbandry?. <i>Frontiers in Microbiology</i> , 2014, 5, 217.	3.5	425
2	Benefits and risks of antimicrobial use in food-producing animals. <i>Frontiers in Microbiology</i> , 2014, 5, 288.	3.5	256
3	Ochratoxin A: Toxicity, oxidative stress and metabolism. <i>Food and Chemical Toxicology</i> , 2018, 112, 320-331.	3.6	225
4	Mechanism of Neonicotinoid Toxicity: Impact on Oxidative Stress and Metabolism. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 471-507.	9.4	195
5	Permethrin-induced oxidative stress and toxicity and metabolism. A review. <i>Environmental Research</i> , 2016, 149, 86-104.	7.5	180
6	Methods for the detection of reactive oxygen species. <i>Analytical Methods</i> , 2018, 10, 4625-4638.	2.7	155
7	Deltamethrin toxicity: A review of oxidative stress and metabolism. <i>Environmental Research</i> , 2019, 170, 260-281.	7.5	128
8	Fipronil insecticide toxicology: oxidative stress and metabolism. <i>Critical Reviews in Toxicology</i> , 2016, 46, 876-899.	3.9	127
9	Metabolism and toxicity of arsenicals in mammals. <i>Environmental Toxicology and Pharmacology</i> , 2016, 48, 214-224.	4.0	124
10	Biodegradable nanoparticles for intracellular delivery of antimicrobial agents. <i>Journal of Controlled Release</i> , 2014, 187, 101-117.	9.9	100
11	Current advances in immunoassays for the detection of antibiotics residues: a review. <i>Food and Agricultural Immunology</i> , 2020, 31, 268-290.	1.4	94
12	Statins: Adverse reactions, oxidative stress and metabolic interactions. , 2019, 195, 54-84.		87
13	Fumonisin: oxidative stress-mediated toxicity and metabolism in vivo and in vitro. <i>Archives of Toxicology</i> , 2016, 90, 81-101.	4.2	83
14	Paracetamol: overdose-induced oxidative stress toxicity, metabolism, and protective effects of various compounds in vivo and in vitro. <i>Drug Metabolism Reviews</i> , 2017, 49, 395-437.	3.6	74
15	Qualitative screening of veterinary anti-microbial agents in tissues, milk, and eggs of food-producing animals using liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1017-1018, 82-88.	2.3	69
16	Receptor-based screening assays for the detection of antibiotics residues – A review. <i>Talanta</i> , 2017, 166, 176-186.	5.5	63
17	Preparation of a broad-spectrum anti-zearalenone and its primary analogues antibody and its application in an indirect competitive enzyme-linked immunosorbent assay. <i>Food Chemistry</i> , 2018, 247, 8-15.	8.2	58
18	Systematic and Molecular Basis of the Antibacterial Action of Quinoxaline 1,4-Di-N-Oxides against <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015, 10, e0136450.	2.5	55

#	ARTICLE	IF	CITATIONS
19	ESPR subject area 5 –Environmental Microbiology, (Bio)Technologies, Health Issues™. Environmental Science and Pollution Research, 2007, 14, 538-544.	5.3	49
20	Nitric oxide (NO)-mediated mitochondrial damage plays a critical role in T-2 toxin-induced apoptosis and growth hormone deficiency in rat anterior pituitary GH3 cells. Food and Chemical Toxicology, 2017, 102, 11-23.	3.6	45
21	Enhanced intracellular delivery and antibacterial efficacy of enrofloxacin-loaded docosanoic acid solid lipid nanoparticles against intracellular Salmonella. Scientific Reports, 2017, 7, 41104.	3.3	44
22	New methodologies in screening of antibiotic residues in animal-derived foods: Biosensors. Talanta, 2017, 175, 435-442.	5.5	44
23	A novel hapten and monoclonal-based enzyme-linked immunosorbent assay for sulfonamides in edible animal tissues. Food Chemistry, 2014, 154, 52-62.	8.2	41
24	Further investigations into the genotoxicity of quinoxaline-di-N-oxides and their primary metabolites. Food and Chemical Toxicology, 2016, 93, 145-157.	3.6	40
25	Crosstalk of JNK1-STAT3 is critical for RAW264.7 cell survival. Cellular Signalling, 2014, 26, 2951-2960.	3.6	38
26	Development of a broad-spectrum monoclonal antibody-based indirect competitive enzyme-linked immunosorbent assay for the multi-residue detection of avermectins in edible animal tissues and milk. Food Chemistry, 2019, 286, 234-240.	8.2	37
27	Toxic metabolites, MAPK and Nrf2/Keap1 signaling pathways involved in oxidative toxicity in mice liver after chronic exposure to Mequindox. Scientific Reports, 2017, 7, 41854.	3.3	36
28	Preparation of a generic monoclonal antibody and development of a highly sensitive indirect competitive ELISA for the detection of phenothiazines in animal feed. Food Chemistry, 2017, 221, 1004-1013.	8.2	36
29	Integrated Transcriptional and Proteomic Analysis of Growth Hormone Suppression Mediated by Trichothecene T-2 Toxin in Rat GH3 Cells. Toxicological Sciences, 2015, 147, 326-338.	3.1	34
30	Survival and Evolution of CRISPR–Cas System in Prokaryotes and Its Applications. Frontiers in Immunology, 2016, 7, 375.	4.8	33
31	Preparation, characterization and pharmacokinetics of cyadox nanosuspension. Scientific Reports, 2017, 7, 2289.	3.3	33
32	Integration of PK/PD for dose optimization of Cefquinome against Staphylococcus aureus causing septicemia in cattle. Frontiers in Microbiology, 2015, 6, 588.	3.5	32
33	The critical role of p16/Rb pathway in the inhibition of GH3 cell cycle induced by T-2 toxin. Toxicology, 2018, 400-401, 28-39.	4.2	32
34	Metabolism, Distribution, and Elimination of Mequindox in Pigs, Chickens, and Rats. Journal of Agricultural and Food Chemistry, 2015, 63, 9839-9849.	5.2	31
35	Application of PK/PD Modeling in Veterinary Field: Dose Optimization and Drug Resistance Prediction. BioMed Research International, 2016, 2016, 1-12.	1.9	31
36	PKA/CREB and NF- κ B pathway regulates AKNA transcription: A novel insight into T-2 toxin-induced inflammation and GH deficiency in GH3 cells. Toxicology, 2017, 392, 81-95.	4.2	31

#	ARTICLE	IF	CITATIONS
37	Metabolic disposition and excretion of quinocetone in rats, pigs, broilers, and carp. <i>Food and Chemical Toxicology</i> , 2014, 69, 109-119.	3.6	29
38	Mechanism of adrenocortical toxicity induced by quinocetone and its bidesoxy-quinocetone metabolite in porcine adrenocortical cells in vitro. <i>Food and Chemical Toxicology</i> , 2015, 84, 115-124.	3.6	29
39	Development of Liquid Chromatographic Methods for Determination of Quinocetone and Its Main Metabolites in Edible Tissues of Swine and Chicken. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 472-478.	1.5	28
40	Preparation of a monoclonal antibody against amantadine and rimantadine and development of an indirect competitive enzyme-linked immunosorbent assay for detecting the same in chicken muscle and liver. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 133, 56-63.	2.8	28
41	Construction of Electrochemical Immunosensor Based on Gold-Nanoparticles/Carbon Nanotubes/Chitosan for Sensitive Determination of T-2 Toxin in Feed and Swine Meat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3895.	4.1	28
42	Preparation, characterization and pharmacokinetics of doxycycline hydrochloride and florfenicol polyvinylpyrrolidone microparticle entrapped with hydroxypropyl- β -cyclodextrin inclusion complexes suspension. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 634-642.	5.0	27
43	Enzyme-linked immunoassay based on imprinted microspheres for the detection of sulfamethazine residue. <i>Journal of Chromatography A</i> , 2017, 1506, 9-17.	3.7	27
44	DNA methylation is involved in pro-inflammatory cytokines expression in T-2 toxin-induced liver injury. <i>Food and Chemical Toxicology</i> , 2019, 132, 110661.	3.6	27
45	Pharmacokinetic and Pharmacodynamic Modeling of Enrofloxacin Against <i>Escherichia coli</i> in Broilers. <i>Frontiers in Veterinary Science</i> , 2016, 2, 80.	2.2	25
46	Synthesis, 3D-QSAR analysis and biological evaluation of quinoxaline 1,4-di-N-oxide derivatives as antituberculosis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4146-4153.	2.2	23
47	Genomic and proteomic analysis of the inhibition of synthesis and secretion of aldosterone hormone induced by quinocetone in NCI-H295R cells. <i>Toxicology</i> , 2016, 350-352, 1-14.	4.2	21
48	In vitro antimicrobial activities of animal-used quinoxaline 1,4-di-N-oxides against mycobacteria, mycoplasma and fungi. <i>BMC Veterinary Research</i> , 2016, 12, 186.	1.9	21
49	Toxic metabolites, Sertoli cells and Y chromosome related genes are potentially linked to the reproductive toxicity induced by mequindox. <i>Oncotarget</i> , 2017, 8, 87512-87528.	1.8	21
50	Broad-spectrum monoclonal antibody and a sensitive multi-residue indirect competitive enzyme-linked immunosorbent assay for the antibacterial synergists in samples of animal origin. <i>Food Chemistry</i> , 2019, 280, 20-26.	8.2	20
51	A Novel Microbiological Method in Microtiter Plates for Screening Seven Kinds of Widely Used Antibiotics Residues in Milk, Chicken Egg and Honey. <i>Frontiers in Microbiology</i> , 2019, 10, 436.	3.5	19
52	Development and validation of an indirect competitive enzyme-linked immunosorbent assay for monitoring organoarsenic compounds in edible chicken and pork and feed. <i>Food Chemistry</i> , 2016, 197, 821-828.	8.2	18
53	Development of Monoclonal Antibodies and Indirect Competitive Enzyme-Linked Immunosorbent Assay Kits for the Detection of Clenbuterol and Salbutamol in the Tissues and Products of Food-Producing Animals. <i>Food Analytical Methods</i> , 2017, 10, 3623-3633.	2.6	18
54	DNA methylation and RASSF4 expression are involved in T-2 toxin-induced hepatotoxicity. <i>Toxicology</i> , 2019, 425, 152246.	4.2	18

#	ARTICLE	IF	CITATIONS
55	Design, Synthesis, and Biological Evaluation of Novel Thiazolidinone-Containing Quinoxaline-1,4-di-N-oxides as Antimycobacterial and Antifungal Agents. <i>Frontiers in Chemistry</i> , 2020, 8, 598.	3.6	18
56	Multiclass method for the quantification of 92 veterinary antimicrobial drugs in livestock excreta, wastewater, and surface water by liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 4086-4095.	2.5	17
57	Development and Validation of a Sensitive Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Screening of Florfenicol and Thiamphenicol in Edible Animal Tissue and Feed. <i>Food Analytical Methods</i> , 2016, 9, 2434-2443.	2.6	17
58	Development and validation of a sensitive monoclonal antibody-based indirect competitive enzyme-linked immunosorbent assay for the determination of the aflatoxin M1 levels in milk. <i>Toxicon</i> , 2016, 113, 18-24.	1.6	17
59	Pharmacokinetic and pharmacodynamic modeling of cyadox against <i>Clostridium perfringens</i> in swine. <i>Scientific Reports</i> , 2017, 7, 4064.	3.3	17
60	Microbiological inhibition-based method for screening and identifying of antibiotic residues in milk, chicken egg and honey. <i>Food Chemistry</i> , 2021, 363, 130074.	8.2	17
61	Assessment of thirteen-week subchronic oral toxicity of cyadox in Beagle dogs. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 652-659.	2.7	16
62	Evaluation of the safety of primary metabolites of cyadox: Acute and sub-chronic toxicology studies and genotoxicity assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 74, 123-136.	2.7	16
63	Development of a monoclonal antibody-based indirect competitive enzyme-linked immunosorbent assay for nitroimidazoles in edible animal tissues and feeds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 84-91.	2.8	16
64	Analysis of the stability and affinity of BlaR-CTD protein to β -lactam antibiotics based on docking and mutagenesis studies. <i>Journal of Biological Engineering</i> , 2019, 13, 27.	4.7	15
65	High risk of adrenal toxicity of N 1-desoxy quinoxaline 1,4-dioxide derivatives and the protection of oligomeric proanthocyanidins (OPC) in the inhibition of the expression of aldosterone synthetase in H295R cells. <i>Toxicology</i> , 2016, 341-343, 1-16.	4.2	14
66	A two-year dietary carcinogenicity study of cyadox in Sprague-Dawley rats. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 87, 9-22.	2.7	14
67	Surface plasmon resonance biosensor for the determination of 3-methyl-quinoxaline-2-carboxylic acid, the marker residue of olaquinox, in swine tissues. <i>Food Chemistry</i> , 2020, 302, 124623.	8.2	14
68	An immunoaffinity column for the selective purification of 3-methyl-quinoxaline-2-carboxylic acid from swine tissues and its determination by high-performance liquid chromatography with ultraviolet detection and a colloidal gold-based immunochromatographic assay. <i>Food Chemistry</i> , 2017, 237, 290-296.	8.2	13
69	A novel hapten and monoclonal-based enzyme-linked immunosorbent assay for 3-methyl-quinoxaline-2-carboxylic acid in edible animal tissues. <i>Analytical Methods</i> , 2015, 7, 6588-6594.	2.7	12
70	Pharmacokinetics/Pharmacodynamics models of veterinary antimicrobial agents. <i>Journal of Veterinary Science</i> , 2019, 20, e40.	1.3	12
71	Simultaneous Determination of Quinoxalines in Animal Feeds by a Modified QuEChERS Method with MWCNTs as the Sorbent Followed by High-Performance Liquid Chromatography. <i>Food Analytical Methods</i> , 2017, 10, 2085-2091.	2.6	11
72	Mequinox Induced Genotoxicity and Carcinogenicity in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 361.	3.5	11

#	ARTICLE	IF	CITATIONS
73	Development of a monoclonal-based ic-ELISA for the determination of kitasamycin in animal tissues and simulation studying its molecular recognition mechanism. <i>Food Chemistry</i> , 2021, 363, 129465.	8.2	11
74	Development of an enzyme-linked-receptor assay based on Syrian hamster β ² -adrenergic receptor for detection of β ² -agonists. <i>Analytical Biochemistry</i> , 2014, 459, 18-23.	2.4	10
75	Elimination and Concentration Correlations between Edible Tissues and Biological Fluids and Hair of Ractopamine in Pigs and Goats Fed with Ractopamine-Medicated Feed. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2012-2020.	5.2	10
76	The Reproductive Toxicity of Mequindox in a Two-Generation Study in Wistar Rats. <i>Frontiers in Pharmacology</i> , 2018, 9, 870.	3.5	10
77	Maternal SSRIs experience and risk of ASD in offspring: a review. <i>Toxicology Research</i> , 2018, 7, 1020-1028.	2.1	10
78	Determination of Tartrazine, Lutein, Capsanthin, Canthaxanthin and β -Carotene in Animal-Derived Foods and Feeds by HPLC Method. <i>Journal of Chromatographic Science</i> , 2019, 57, 462-468.	1.4	10
79	A Novel Indirect Competitive Enzyme-Linked Immunosorbent Assay Format for the Simultaneous Determination of Ractopamine and Phenylethanolamine A Residues in Swine Urine. <i>Food Analytical Methods</i> , 2019, 12, 1077-1085.	2.6	9
80	Discovery of novel nitrogenous heterocyclic-containing quinoxaline-1,4-di-N-oxides as potent activator of autophagy in M.tb-infected macrophages. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113657.	5.5	9
81	Structure-Function Analysis of Porcine Cytochrome P450 3A29 in the Hydroxylation of T-2 Toxin as Revealed by Docking and Mutagenesis Studies. <i>PLoS ONE</i> , 2014, 9, e106769.	2.5	9
82	Acute and sub-chronic toxicity study of diaveridine in Wistar rats. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 232-240.	2.7	8
83	Microbiological toxicity of tilmicosin on human colonic microflora in chemostats. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 201-208.	2.7	8
84	Preparation of a Broadly Specific Monoclonal Antibody-Based Indirect Competitive ELISA for the Detection of Benzodiazepines in Edible Animal Tissues and Feed. <i>Food Analytical Methods</i> , 2016, 9, 3407-3419.	2.6	8
85	Development a monoclonal antibody-based enzyme-linked immunosorbent assay for screening carotenoids in eggs. <i>Food Chemistry</i> , 2016, 202, 141-148.	8.2	8
86	Development of a sensitive monoclonal-based enzyme-linked immunosorbent assay for monitoring T-2 toxin in food and feed. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1-10.	2.3	8
87	The antibacterial activities of aditoprim and its efficacy in the treatment of swine streptococcosis. <i>Scientific Reports</i> , 2017, 7, 41370.	3.3	8
88	Mequindox induces apoptosis, DNA damage, and carcinogenicity in Wistar rats. <i>Food and Chemical Toxicology</i> , 2019, 127, 270-279.	3.6	8
89	Preparation of Broadly Specific Monoclonal Antibodies for Simultaneous Determination of Fluoroquinolone Residues in Eggs. <i>Food Analytical Methods</i> , 2016, 9, 3520-3531.	2.6	7
90	Integration of PK/PD for dose optimization of aditoprim against <i>Trueperella pyogenes</i> causing endometritis in bovines. <i>Microbial Pathogenesis</i> , 2020, 142, 104097.	2.9	7

#	ARTICLE	IF	CITATIONS
91	Simultaneous determination of aditoprim and its three major metabolites in pigs, broilers and carp tissues, and its application in tissue distribution and depletion studies. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1-13.	2.3	6
92	Development of a Sensitive Monoclonal Antibody-Based Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Determination of Monensin in Edible Chicken Tissues. <i>Food Analytical Methods</i> , 2019, 12, 1479-1486.	2.6	6
93	The search for a microbiological inhibition method for the rapid, broad-spectrum and high-throughput screening of six kinds of antibiotic residues in swine urine. <i>Food Chemistry</i> , 2021, 339, 127580.	8.2	6
94	Development and validation of an indirect competitive enzyme-linked immunosorbent assay for the detection of albendazole 2-aminosulfone residues in animal tissues. <i>Food and Agricultural Immunology</i> , 2016, 27, 273-287.	1.4	5
95	Development and Validation of a Monoclonal Antibody-Based Indirect Competitive ELISA for the Detection of Sudan I in Duck Eggs and Crystal Violet in Carp. <i>Food Analytical Methods</i> , 2017, 10, 1442-1451.	2.6	5
96	Mequindox-Induced Kidney Toxicity Is Associated With Oxidative Stress and Apoptosis in the Mouse. <i>Frontiers in Pharmacology</i> , 2018, 9, 436.	3.5	5
97	Establishment of pressurized liquid extraction followed by HPLC-MS/MS method for the screening of adrenergic drugs, steroids, sedatives, colorants and antioxidants in swine feed. <i>Journal of Separation Science</i> , 2019, 42, 1915-1929.	2.5	5
98	Antibacterial activity of cyadox against <i>Clostridium perfringens</i> in broilers and a dosage regimen design based on pharmacokinetic-pharmacodynamic modeling. <i>Microbial Pathogenesis</i> , 2020, 141, 103981.	2.9	5
99	Exploration of Clinical Breakpoint of Danofloxacin for <i>Glaesserella parasuis</i> in Plasma and in PELF. <i>Antibiotics</i> , 2021, 10, 808.	3.7	5
100	Development of radioactive tracing coupled with LC/MS-IT-TOF methodology for the discovery and identification of diaveridine metabolites in pigs. <i>Food Chemistry</i> , 2021, 363, 130200.	8.2	5
101	Disposition and Residue Depletion of Metronidazole in Pigs and Broilers. <i>Scientific Reports</i> , 2017, 7, 7203.	3.3	4
102	Simultaneous determination of multicomponent of acetylkitasamycin and kitasamycin by LC-MS/MS in swine plasma and its application in a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2018, 32, e4268.	1.7	4
103	Selective Solid-Phase Extraction of Sulfonamides from Edible Swine Tissues Using High-Performance Imprinted Polymers. <i>Food Analytical Methods</i> , 2020, 13, 1304-1313.	2.6	4
104	Effects of Acute and Chronic Exposure to Residual Level Erythromycin on Human Intestinal Epithelium Cell Permeability and Cytotoxicity. <i>Microorganisms</i> , 2019, 7, 325.	3.6	3
105	Pharmacokinetic-pharmacodynamic modeling of cyadox against <i>Escherichia coli</i> in swine. <i>Microbial Pathogenesis</i> , 2019, 135, 103650.	2.9	2
106	Disposition of cyadox in domesticated cats following oral, intramuscular, and intravenous administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 97-107.	1.3	2
107	Formulation, Characterization and Pharmacokinetics of Long-acting Ceftiofur Hydrochloride Suspension. <i>Current Drug Delivery</i> , 2021, 18, 224-233.	1.6	2
108	Tissue Depletion of Olaquinox and Its Six Metabolites in Pigs and Broilers: Identification of a Suitable Marker Residue. <i>Frontiers in Veterinary Science</i> , 2021, 8, 638358.	2.2	1

#	ARTICLE	IF	CITATIONS
109	Synthesis of tritium-labeled cyadox, a promising antimicrobial growth-promoting agent with high specific activity. <i>Applied Radiation and Isotopes</i> , 2018, 139, 244-250.	1.5	0
110	Preparation of Aditoprim Injection against <i>Streptococcus suis</i> in Pigs and a Dose Regimen Based on Pharmacokinetic-Pharmacodynamic Modeling. <i>Pharmaceutics</i> , 2022, 14, 730.	4.5	0