

Zonghui Yuan

List of Publications by Year in descending order

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110
papers

4,095
citations

147801

31
h-index

133252

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113
all docs

113
docs citations

113
times ranked

5567
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Formulation, Characterization and Pharmacokinetics of Long-acting Ceftiofur Hydrochloride Suspension. <i>Current Drug Delivery</i> , 2021, 18, 224-233.	1.6	2
4	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
5	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
6	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
7	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
8	Discovery of novel nitrogenous heterocyclic-containing quinoxaline-1,4-di-N-oxides as potent activator of autophagy in <i>M.tb</i> -infected macrophages. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113657.	5.5	9
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	DNA methylation and RASSF4 expression are involved in T-2 toxin-induced hepatotoxicity. <i>Toxicology</i> , 2019, 425, 152246.	4.2	18
18	Pharmacokinetic-pharmacodynamic modeling of cyadox against <i>Escherichia coli</i> in swine. <i>Microbial Pathogenesis</i> , 2019, 135, 103650.	2.9	2

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Mequindox induces apoptosis, DNA damage, and carcinogenicity in Wistar rats. <i>Food and Chemical Toxicology</i> , 2019, 127, 270-279.	3.6	8
28	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. <i>Food Chemistry</i> , 2019, 286, 234-240.	8.2	37
29	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
30	Deltamethrin toxicity: A review of oxidative stress and metabolism. <i>Environmental Research</i> , 2019, 170, 260-281.	7.5	128
31	Statins: Adverse reactions, oxidative stress and metabolic interactions. , 2019, 195, 54-84.		87
32	Pharmacokinetics/Pharmacodynamics models of veterinary antimicrobial agents. <i>Journal of Veterinary Science</i> , 2019, 20, e40.	1.3	12
33	Ochratoxin A: Toxicity, oxidative stress and metabolism. <i>Food and Chemical Toxicology</i> , 2018, 112, 320-331.	3.6	225
34	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
35	The critical role of p16/Rb pathway in the inhibition of GH3 cell cycle induced by T-2 toxin. <i>Toxicology</i> , 2018, 400-401, 28-39.	4.2	32
36	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

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37	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
38	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
39	Methods for the detection of reactive oxygen species. <i>Analytical Methods</i> , 2018, 10, 4625-4638.	2.7	155
40	The Reproductive Toxicity of Mequindox in a Two-Generation Study in Wistar Rats. <i>Frontiers in Pharmacology</i> , 2018, 9, 870.	3.5	10
41	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
42	Mequindox Induced Genotoxicity and Carcinogenicity in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 361.	3.5	11
43	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
44	Maternal SSRIs experience and risk of ASD in offspring: a review. <i>Toxicology Research</i> , 2018, 7, 1020-1028.	2.1	10
45	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. <i>Food and Chemical Toxicology</i> , 2017, 102, 11-23.	3.6	45
46	Receptor-based screening assays for the detection of antibiotics residues – A review. <i>Talanta</i> , 2017, 166, 176-186.	5.5	63
47	The antibacterial activities of aditoprim and its efficacy in the treatment of swine streptococcosis. <i>Scientific Reports</i> , 2017, 7, 41370.	3.3	8
48	Enhanced intracellular delivery and antibacterial efficacy of enrofloxacin-loaded docosanoic acid solid lipid nanoparticles against intracellular Salmonella. <i>Scientific Reports</i> , 2017, 7, 41104.	3.3	44
49	Toxic metabolites, MAPK and Nrf2/Keap1 signaling pathways involved in oxidative toxicity in mice liver after chronic exposure to Mequindox. <i>Scientific Reports</i> , 2017, 7, 41854.	3.3	36
50	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
51	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
52	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
53	Preparation, characterization and pharmacokinetics of cyadox nanosuspension. <i>Scientific Reports</i> , 2017, 7, 2289.	3.3	33
54	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

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55	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
56	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
57	Preparation of a generic monoclonal antibody and development of a highly sensitive indirect competitive ELISA for the detection of phenothiazines in animal feed. <i>Food Chemistry</i> , 2017, 221, 1004-1013.	8.2	36
58	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. <i>Toxicology</i> , 2017, 392, 81-95.	4.2	31
59	New methodologies in screening of antibiotic residues in animal-derived foods: Biosensors. <i>Talanta</i> , 2017, 175, 435-442.	5.5	44
60	Disposition and Residue Depletion of Metronidazole in Pigs and Broilers. <i>Scientific Reports</i> , 2017, 7, 7203.	3.3	4
61	Paracetamol: overdose-induced oxidative stress toxicity, metabolism, and protective effects of various compounds <i>in vivo</i> and <i>in vitro</i> . <i>Drug Metabolism Reviews</i> , 2017, 49, 395-437.	3.6	74
62	Pharmacokinetic and pharmacodynamic modeling of cyadox against <i>Clostridium perfringens</i> in swine. <i>Scientific Reports</i> , 2017, 7, 4064.	3.3	17
63	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
64	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
65	Application of PK/PD Modeling in Veterinary Field: Dose Optimization and Drug Resistance Prediction. <i>BioMed Research International</i> , 2016, 2016, 1-12.	1.9	31
66	Survival and Evolution of CRISPR-Cas System in Prokaryotes and Its Applications. <i>Frontiers in Immunology</i> , 2016, 7, 375.	4.8	33
67	Pharmacokinetic-Pharmacodynamic Modeling of Enrofloxacin Against <i>Escherichia coli</i> in Broilers. <i>Frontiers in Veterinary Science</i> , 2016, 2, 80.	2.2	25
68	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
69	Further investigations into the genotoxicity of quinoxaline-di-N-oxides and their primary metabolites. <i>Food and Chemical Toxicology</i> , 2016, 93, 145-157.	3.6	40
70	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
71	Genomic and proteomic analysis of the inhibition of synthesis and secretion of aldosterone hormone induced by quincetone in NCI-H295R cells. <i>Toxicology</i> , 2016, 350-352, 1-14.	4.2	21
72	Permethrin-induced oxidative stress and toxicity and metabolism. A review. <i>Environmental Research</i> , 2016, 149, 86-104.	7.5	180

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73	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
74	Fipronil insecticide toxicology: oxidative stress and metabolism. <i>Critical Reviews in Toxicology</i> , 2016, 46, 876-899.	3.9	127
75	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
76	Metabolism and toxicity of arsenicals in mammals. <i>Environmental Toxicology and Pharmacology</i> , 2016, 48, 214-224.	4.0	124
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
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	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
87	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
88	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
89	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
90	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

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91	Fumonisin: oxidative stress-mediated toxicity and metabolism in vivo and in vitro. <i>Archives of Toxicology</i> , 2016, 90, 81-101.	4.2	83
92	Integration of PK/PD for dose optimization of Cefquinome against <i>Staphylococcus aureus</i> causing septicemia in cattle. <i>Frontiers in Microbiology</i> , 2015, 6, 588.	3.5	32
93	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
94	Acute and sub-chronic toxicity study of diaveridine in Wistar rats. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 232-240.	2.7	8
95	Metabolism, Distribution, and Elimination of Mequindox in Pigs, Chickens, and Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9839-9849.	5.2	31
96	Integrated Transcriptional and Proteomic Analysis of Growth Hormone Suppression Mediated by Trichothecene T-2 Toxin in Rat GH3 Cells. <i>Toxicological Sciences</i> , 2015, 147, 326-338.	3.1	34
97	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
98	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
99	Microbiological toxicity of tilmicosin on human colonic microflora in chemostats. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 201-208.	2.7	8
100	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
101	Antibiotic alternatives: the substitution of antibiotics in animal husbandry?. <i>Frontiers in Microbiology</i> , 2014, 5, 217.	3.5	425
102	Benefits and risks of antimicrobial use in food-producing animals. <i>Frontiers in Microbiology</i> , 2014, 5, 288.	3.5	256
103	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
104	Crosstalk of JNK1-STAT3 is critical for RAW264.7 cell survival. <i>Cellular Signalling</i> , 2014, 26, 2951-2960.	3.6	38
105	A novel hapten and monoclonal-based enzyme-linked immunosorbent assay for sulfonamides in edible animal tissues. <i>Food Chemistry</i> , 2014, 154, 52-62.	8.2	41
106	Biodegradable nanoparticles for intracellular delivery of antimicrobial agents. <i>Journal of Controlled Release</i> , 2014, 187, 101-117.	9.9	100
107	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
108	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

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109	ESPR subject area 5 – Environmental Microbiology, (Bio)Technologies, Health Issues™. Environmental Science and Pollution Research, 2007, 14, 538-544.	5.3	49
110	Development of Liquid Chromatographic Methods for Determination of Quinocetone and Its Main Metabolites in Edible Tissues of Swine and Chicken. Journal of AOAC INTERNATIONAL, 2005, 88, 472-478.	1.5	28