

Zonghui Yuan

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109
papers

2,658
citations

26
h-index

48
g-index

113
ext. papers

3,457
ext. citations

4.9
avg, IF

5.11
L-index

#	Paper	IF	Citations
109	Antibiotic alternatives: the substitution of antibiotics in animal husbandry?. <i>Frontiers in Microbiology</i> , 2014 , 5, 217	5.7	304
108	Benefits and risks of antimicrobial use in food-producing animals. <i>Frontiers in Microbiology</i> , 2014 , 5, 288	5.7	181
107	Ochratoxin A: Toxicity, oxidative stress and metabolism. <i>Food and Chemical Toxicology</i> , 2018 , 112, 320-331	11.7	141
106	Mechanism of Neonicotinoid Toxicity: Impact on Oxidative Stress and Metabolism. <i>Annual Review of Pharmacology and Toxicology</i> , 2018 , 58, 471-507	17.9	122
105	Permethrin-induced oxidative stress and toxicity and metabolism. A review. <i>Environmental Research</i> , 2016 , 149, 86-104	7.9	116
104	Metabolism and toxicity of arsenicals in mammals. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 48, 214-224	5.8	90
103	Biodegradable nanoparticles for intracellular delivery of antimicrobial agents. <i>Journal of Controlled Release</i> , 2014 , 187, 101-17	11.7	90
102	Methods for the detection of reactive oxygen species. <i>Analytical Methods</i> , 2018 , 10, 4625-4638	3.2	88
101	Fipronil insecticide toxicology: oxidative stress and metabolism. <i>Critical Reviews in Toxicology</i> , 2016 , 46, 876-899	5.7	84
100	Deltamethrin toxicity: A review of oxidative stress and metabolism. <i>Environmental Research</i> , 2019 , 170, 260-281	7.9	60
99	Fumonisin: oxidative stress-mediated toxicity and metabolism in vivo and in vitro. <i>Archives of Toxicology</i> , 2016 , 90, 81-101	5.8	59
98	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	3.2	55
97	Statins: Adverse reactions, oxidative stress and metabolic interactions. <i>Pharmacology & Therapeutics</i> , 2019 , 195, 54-84	13.9	52
96	Receptor-based screening assays for the detection of antibiotics residues - A review. <i>Talanta</i> , 2017 , 166, 176-186	6.2	44
95	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	7	43
94	ESPR subject area 5 Environmental Microbiology, (Bio)Technologies, Health Issues <i>Environmental Science and Pollution Research</i> , 2007 , 14, 538-544	5.1	41
93	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	8.5	39

92	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	4.7	35
91	Current advances in immunoassays for the detection of antibiotics residues: a review. <i>Food and Agricultural Immunology</i> , 2020 , 31, 268-290	2.9	34
90	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	3.7	34
89	A novel hapten and monoclonal-based enzyme-linked immunosorbent assay for sulfonamides in edible animal tissues. <i>Food Chemistry</i> , 2014 , 154, 52-62	8.5	33
88	Enhanced intracellular delivery and antibacterial efficacy of enrofloxacin-loaded docosanoic acid solid lipid nanoparticles against intracellular <i>Salmonella</i> . <i>Scientific Reports</i> , 2017 , 7, 41104	4.9	32
87	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	8.5	30
86	Crosstalk of JNK1-STAT3 is critical for RAW264.7 cell survival. <i>Cellular Signalling</i> , 2014 , 26, 2951-60	4.9	30
85	New methodologies in screening of antibiotic residues in animal-derived foods: Biosensors. <i>Talanta</i> , 2017 , 175, 435-442	6.2	30
84	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, 326-38	4.4	27
83	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	1.7	24
82	Application of PK/PD Modeling in Veterinary Field: Dose Optimization and Drug Resistance Prediction. <i>BioMed Research International</i> , 2016 , 2016, 5465678	3	24
81	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	5.7	23
80	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	3.5	22
79	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	4.4	22
78	Further investigations into the genotoxicity of quinoxaline-di-N-oxides and their primary metabolites. <i>Food and Chemical Toxicology</i> , 2016 , 93, 145-57	4.7	22
77	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	8.5	22
76	Preparation, characterization and pharmacokinetics of cyadox nanosuspension. <i>Scientific Reports</i> , 2017 , 7, 2289	4.9	21
75	Enzyme-linked immunoassay based on imprinted microspheres for the detection of sulfamethazine residue. <i>Journal of Chromatography A</i> , 2017 , 1506, 9-17	4.5	20

74	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	6	20
73	Survival and Evolution of CRISPR-Cas System in Prokaryotes and Its Applications. <i>Frontiers in Immunology</i> , 2016 , 7, 375	8.4	20
72	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	4.9	19
71	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, 4146-53	2.9	19
70	Metabolic disposition and excretion of quinocetone in rats, pigs, broilers, and carp. <i>Food and Chemical Toxicology</i> , 2014 , 69, 109-19	4.7	19
69	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,	6.3	19
68	Pharmacokinetic-Pharmacodynamic Modeling of Enrofloxacin Against Escherichia coli in Broilers. <i>Frontiers in Veterinary Science</i> , 2015 , 2, 80	3.1	18
67	Metabolism, Distribution, and Elimination of Mequindox in Pigs, Chickens, and Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 9839-49	5.7	16
66	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, 115-24	4.7	16
65	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, 821-8	8.5	16
64	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	4.4	15
63	DNA methylation and RASSF4 expression are involved in T-2 toxin-induced hepatotoxicity. <i>Toxicology</i> , 2019 , 425, 152246	4.4	15
62	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	2.7	14
61	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	4.7	14
60	Pharmacokinetic and pharmacodynamic modeling of cyadox against Clostridium perfringens in swine. <i>Scientific Reports</i> , 2017 , 7, 4064	4.9	14
59	Assessment of thirteen-week subchronic oral toxicity of cyadox in Beagle dogs. <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 652-9	3.4	14
58	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	3.4	13
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	3.4	13

56	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>Toxicol</i> , 2016 , 113, 18-24	2.8	13
55	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, 123-36	3.4	12
54	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	8.5	12
53	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	5.7	11
52	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	3.4	11
51	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	3.2	9
50	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, 2012-20	5.7	9
49	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	3.5	9
48	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	3.4	8
47	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, 683-92	3.2	8
46	Mequindox Induced Genotoxicity and Carcinogenicity in Mice. <i>Frontiers in Pharmacology</i> , 2018 , 9, 361	5.6	8
45	Design, Synthesis, and Biological Evaluation of Novel Thiazolidinone-Containing Quinoxaline-1,4-di-oxides as Antimycobacterial and Antifungal Agents. <i>Frontiers in Chemistry</i> , 2020 , 8, 598	5	8
44	A two-year dietary carcinogenicity study of cyadox in Sprague-Dawley rats. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 87, 9-22	3.4	7
43	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, 230-236	8.5	7
42	Development of an enzyme-linked-receptor assay based on Syrian hamster α -adrenergic receptor for detection of β agonists. <i>Analytical Biochemistry</i> , 2014 , 459, 18-23	3.1	7
41	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	3.7	7
40	Pharmacokinetics/Pharmacodynamics models of veterinary antimicrobial agents. <i>Journal of Veterinary Science</i> , 2019 , 20, e40	1.6	7
39	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	6.3	6

38	Acute and sub-chronic toxicity study of diaveridine in Wistar rats. <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 232-40	3.4	6
37	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	3.3	6
36	High risk of adrenal toxicity of N1-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	4.4	6
35	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	4.4	6
34	The antibacterial activities of aditoprim and its efficacy in the treatment of swine streptococcosis. <i>Scientific Reports</i> , 2017 , 7, 41370	4.9	5
33	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	3.4	5
32	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	5
31	Maternal SSRIs experience and risk of ASD in offspring: a review. <i>Toxicology Research</i> , 2018 , 7, 1020-1028.	6	5
30	Surface plasmon resonance biosensor for the determination of 3-methyl-quinoxaline-2-carboxylic acid, the marker residue of olaquindox, in swine tissues. <i>Food Chemistry</i> , 2020 , 302, 124623	8.5	5
29	Development of a Sensitive Monoclonal AntibodyBased Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Determination of Monensin in Edible Chicken Tissues. <i>Food Analytical Methods</i> , 2019 , 12, 1479-1486	3.4	4
28	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	3.8	4
27	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	3.4	4
26	Development a monoclonal antibody-based enzyme-linked immunosorbent assay for screening carotenoids in eggs. <i>Food Chemistry</i> , 2016 , 202, 141-8	8.5	4
25	Microbiological toxicity of tilmicosin on human colonic microflora in chemostats. <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 201-8	3.4	3
24	Preparation of Broadly Specific Monoclonal Antibodies for Simultaneous Determination of Fluoroquinolone Residues in Eggs. <i>Food Analytical Methods</i> , 2016 , 9, 3520-3531	3.4	3
23	Mequindox-Induced Kidney Toxicity Is Associated With Oxidative Stress and Apoptosis in the Mouse. <i>Frontiers in Pharmacology</i> , 2018 , 9, 436	5.6	3
22	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	3.4	3
21	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	2.9	3

20	The Reproductive Toxicity of Mequindox in a Two-Generation Study in Wistar Rats. <i>Frontiers in Pharmacology</i> , 2018 , 9, 870	5.6	3
19	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	8.5	3
18	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	8.5	3
17	Mequindox induces apoptosis, DNA damage, and carcinogenicity in Wistar rats. <i>Food and Chemical Toxicology</i> , 2019 , 127, 270-279	4.7	2
16	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	2
15	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, 1299-311	3.2	2
14	Disposition and Residue Depletion of Metronidazole in Pigs and Broilers. <i>Scientific Reports</i> , 2017 , 7, 72034	4.9	2
13	Exploration of Clinical Breakpoint of Danofloxacin for in Plasma and in PELF. <i>Antibiotics</i> , 2021 , 10,	4.9	2
12	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	8.5	2
11	Formulation, Characterization and Pharmacokinetics of Long-acting Ceftiofur Hydrochloride Suspension. <i>Current Drug Delivery</i> , 2021 , 18, 224-233	3.2	2
10	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	6.8	2
9	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	3.4	1
8	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	3.8	1
7	Selective Solid-Phase Extraction of Sulfonamides from Edible Swine Tissues Using High-Performance Imprinted Polymers. <i>Food Analytical Methods</i> , 2020 , 13, 1304-1313	3.4	1
6	Effects of Acute and Chronic Exposure to Residual Level Erythromycin on Human Intestinal Epithelium Cell Permeability and Cytotoxicity. <i>Microorganisms</i> , 2019 , 7,	4.9	1
5	Disposition of cyadox in domesticated cats following oral, intramuscular, and intravenous administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020 , 43, 97-107	1.4	0
4	Pharmacokinetic-pharmacodynamic modeling of cyadox against <i>Escherichia coli</i> in swine. <i>Microbial Pathogenesis</i> , 2019 , 135, 103650	3.8	0
3	Microbiological inhibition-based method for screening and identifying of antibiotic residues in milk, chicken egg and honey. <i>Food Chemistry</i> , 2021 , 363, 130074	8.5	0

- 2 Tissue Depletion of Olaquinox and Its Six Metabolites in Pigs and Broilers: Identification of a Suitable Marker Residue. *Frontiers in Veterinary Science*, **2021**, 8, 638358 3.1
- 1 Synthesis of tritium-labeled cyadox, a promising antimicrobial growth-promoting agent with high specific activity. *Applied Radiation and Isotopes*, **2018**, 139, 244-250 1.7