

# Siska Croubels

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/649474/publications.pdf>

Version: 2024-02-01

207  
papers

5,688  
citations

81900

39  
h-index

118850

62  
g-index

210  
all docs

210  
docs citations

210  
times ranked

5775  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Fusarium Mycotoxins on Human and Animal Host Susceptibility to Infectious Diseases. <i>Toxins</i> , 2014, 6, 430-452.	3.4	223
2	Emerging Fusarium and Alternaria Mycotoxins: Occurrence, Toxicity and Toxicokinetics. <i>Toxins</i> , 2017, 9, 228.	3.4	211
3	Effects of Xylo-Oligosaccharides on Broiler Chicken Performance and Microbiota. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5880-5888.	3.1	184
4	Development of a HPLC-UV method for the quantitative determination of four short-chain fatty acids and lactic acid produced by intestinal bacteria during in vitro fermentation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 80, 107-115.	2.8	150
5	Identification and validation of housekeeping genes as internal control for gene expression in an intravenous LPS inflammation model in chickens. <i>Veterinary Immunology and Immunopathology</i> , 2008, 122, 312-317.	1.2	135
6	Butyrate production in phylogenetically diverse <i>Firmicutes</i> isolated from the chicken caecum. <i>Microbial Biotechnology</i> , 2011, 4, 503-512.	4.2	133
7	Deoxynivalenol Impairs Hepatic and Intestinal Gene Expression of Selected Oxidative Stress, Tight Junction and Inflammation Proteins in Broiler Chickens, but Addition of an Adsorbing Agent Shifts the Effects to the Distal Parts of the Small Intestine. <i>PLoS ONE</i> , 2013, 8, e69014.	2.5	133
8	Quantitative multi-residue analysis of tetracyclines and their 4-epimers in pig tissues by high-performance liquid chromatography combined with positive-ion electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2003, 492, 199-213.	5.4	129
9	Metabolic fingerprinting reveals a novel candidate biomarker for prednisolone treatment in cattle. <i>Metabolomics</i> , 2016, 12, 1.	3.0	111
10	Modified Fusarium mycotoxins unmasked: From occurrence in cereals to animal and human excretion. <i>Food and Chemical Toxicology</i> , 2015, 80, 17-31.	3.6	91
11	The Mycotoxin Deoxynivalenol Potentiates Intestinal Inflammation by Salmonella Typhimurium in Porcine Ileal Loops. <i>PLoS ONE</i> , 2011, 6, e23871.	2.5	86
12	In vivo porcine lipopolysaccharide inflammation models to study immunomodulation of drugs. <i>Veterinary Immunology and Immunopathology</i> , 2015, 166, 58-69.	1.2	84
13	Quantitative determination of T-2 toxin, HT-2 toxin, deoxynivalenol and deepoxy-deoxynivalenol in animal body fluids using LC-MS/MS detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2403-2415.	2.3	83
14	<i>Faecalicoccus acidiformans</i> gen. nov., sp. nov., isolated from the chicken caecum, and reclassification of <i>Streptococcus pleomorphus</i> (Barnes et al. 1977), <i>Eubacterium bifforme</i> (Eggerth 1935) and <i>Eubacterium cylindroides</i> (Cato et al. 1974) as <i>Faecalicoccus pleomorphus</i> comb. nov., <i>Holdemanella biformis</i> gen. nov., comb. nov. and <i>Faecalitalea cylindroides</i> gen. nov., comb. nov., respectively, within the family Erysipelotrichaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3877-3884.	1.7	83
15	Toxicokinetic study and absolute oral bioavailability of deoxynivalenol, T-2 toxin and zearalenone in broiler chickens. <i>Food and Chemical Toxicology</i> , 2013, 51, 350-355.	3.6	82
16	In vivo contribution of deoxynivalenol-3- $\beta$ -D-glucoside to deoxynivalenol exposure in broiler chickens and pigs: oral bioavailability, hydrolysis and toxicokinetics. <i>Archives of Toxicology</i> , 2017, 91, 699-712.	4.2	75
17	Mycotoxins Deoxynivalenol and Fumonisin Alter the Extrinsic Component of Intestinal Barrier in Broiler Chickens. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10846-10855.	5.2	71
18	Fumonisin affect the intestinal microbial homeostasis in broiler chickens, predisposing to necrotic enteritis. <i>Veterinary Research</i> , 2015, 46, 98.	3.0	69

#	ARTICLE	IF	CITATIONS
19	Development of a liquid chromatography tandem mass spectrometry and ultra-high-performance liquid chromatography high-resolution mass spectrometry method for the quantitative determination of zearalenone and its major metabolites in chicken and pig plasma. <i>Analytica Chimica Acta</i> , 2012, 756, 37-48.	5.4	68
20	The Mycotoxin Deoxynivalenol Predisposes for the Development of <i>Clostridium perfringens</i> -Induced Necrotic Enteritis in Broiler Chickens. <i>PLoS ONE</i> , 2014, 9, e108775.	2.5	67
21	In vitro susceptibility of six isolates of equine herpesvirus 1 to acyclovir, ganciclovir, cidofovir, adefovir, PMEDAP and foscarnet. <i>Veterinary Microbiology</i> , 2007, 122, 43-51.	1.9	66
22	Evaluation of orally administered valacyclovir in experimentally EHV1-infected ponies. <i>Veterinary Microbiology</i> , 2009, 135, 214-221.	1.9	65
23	Porcine intestinal epithelial barrier disruption by the <i>Fusarium</i> mycotoxins deoxynivalenol and T-2 toxin promotes transepithelial passage of doxycycline and paromomycin. <i>BMC Veterinary Research</i> , 2012, 8, 245.	1.9	62
24	Quantitative determination of several toxicologically important mycotoxins in pig plasma using multi-mycotoxin and analyte-specific high performance liquid chromatography tandem mass spectrometric methods. <i>Journal of Chromatography A</i> , 2012, 1257, 74-80.	3.7	61
25	A Review of the Impact of Mycotoxins on Dairy Cattle Health: Challenges for Food Safety and Dairy Production in Sub-Saharan Africa. <i>Toxins</i> , 2020, 12, 222.	3.4	60
26	Comparative in vitro cytotoxicity of modified deoxynivalenol on porcine intestinal epithelial cells. <i>Food and Chemical Toxicology</i> , 2016, 95, 103-109.	3.6	55
27	Comparative toxicokinetics of <i>Fusarium</i> mycotoxins in pigs and humans. <i>Food and Chemical Toxicology</i> , 2020, 137, 111140.	3.6	53
28	Characterization of 27 Mycotoxin Binders and the Relation with in Vitro Zearalenone Adsorption at a Single Concentration. <i>Toxins</i> , 2015, 7, 21-33.	3.4	51
29	Insights into In Vivo Absolute Oral Bioavailability, Biotransformation, and Toxicokinetics of Zearalenone, $\pm$ -Zearalenol, $l^2$ -Zearalenol, Zearalenone-14-glucoside, and Zearalenone-14-sulfate in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3448-3458.	5.2	49
30	Ultra-high-performance liquid chromatography coupled to quadrupole orbitrap high-resolution mass spectrometry for multi-residue screening of pesticides, (veterinary) drugs and mycotoxins in edible insects. <i>Food Chemistry</i> , 2019, 293, 187-196.	8.2	48
31	Multi LC-MS/MS and LC-HRMS Methods for Determination of 24 Mycotoxins including Major Phase I and II Biomarker Metabolites in Biological Matrices from Pigs and Broiler Chickens. <i>Toxins</i> , 2019, 11, 171.	3.4	48
32	Pilot toxicokinetic study and absolute oral bioavailability of the <i>Fusarium</i> mycotoxin enniatin B1 in pigs. <i>Food and Chemical Toxicology</i> , 2014, 63, 161-165.	3.6	47
33	Oral Bioavailability, Hydrolysis, and Comparative Toxicokinetics of 3-Acetyldeoxynivalenol and 15-Acetyldeoxynivalenol in Broiler Chickens and Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8734-8742.	5.2	47
34	Development and validation of an LC-MS/MS method for the simultaneous determination of citrinin and ochratoxin A in a variety of feed and foodstuffs. <i>Journal of Chromatography A</i> , 2018, 1580, 100-109.	3.7	47
35	Mycotoxins in Flanders™ Fields: Occurrence and Correlations with <i>Fusarium</i> Species in Whole-Plant Harvested Maize. <i>Microorganisms</i> , 2019, 7, 571.	3.6	46
36	Quantitative determination of the <i>Fusarium</i> mycotoxins beauvericin, enniatin A, A1, B and B1 in pig plasma using high performance liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2013, 106, 212-219.	5.5	45

#	ARTICLE	IF	CITATIONS
37	Liquid chromatographic separation of doxycycline and 4-epidoxycycline in a tissue depletion study of doxycycline in turkeys. <i>Biomedical Applications</i> , 1998, 708, 145-152.	1.7	42
38	The Potential Use of Piglets as Human Pediatric Surrogate for Preclinical Pharmacokinetic and Pharmacodynamic Drug Testing. <i>Current Pharmaceutical Design</i> , 2016, 22, 4069-4085.	1.9	42
39	Comparison and Reproducibility of Plasma Clearance of Exogenous Creatinine, Exo-iohexol, Endo-iohexol, and <sup>51</sup> Cr-EDTA in Young Adult and Aged Healthy Cats. <i>Journal of Veterinary Internal Medicine</i> , 2007, 21, 950.	1.6	41
40	Comparison and Reproducibility of Plasma Clearance of Exogenous Creatinine, Exo-iohexol, Endo-iohexol, and <sup>51</sup> Cr-EDTA in Young Adult and Aged Healthy Cats. <i>Journal of Veterinary Internal Medicine</i> , 2007, 21, 950-958.	1.6	40
41	Toxic effects of dietary exposure to T-2 toxin on intestinal and hepatic biotransformation enzymes and drug transporter systems in broiler chickens. <i>Food and Chemical Toxicology</i> , 2013, 55, 150-155.	3.6	36
42	Comparative Toxicokinetics, Absolute Oral Bioavailability, and Biotransformation of Zearalenone in Different Poultry Species. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5092-5098.	5.2	36
43	Multi-Mycotoxin Occurrence in Dairy Cattle and Poultry Feeds and Feed Ingredients from Machakos Town, Kenya. <i>Toxins</i> , 2020, 12, 762.	3.4	36
44	Plasma Clearance of Exogenous Creatinine, Exo-iohexol, and Endo-iohexol in Hyperthyroid Cats before and after Treatment with Radioiodine. <i>Journal of Veterinary Internal Medicine</i> , 2008, 22, 879-885.	1.6	35
45	Impact of Fusarium mycotoxins on hepatic and intestinal mRNA expression of cytochrome P450 enzymes and drug transporters, and on the pharmacokinetics of oral enrofloxacin in broiler chickens. <i>Food and Chemical Toxicology</i> , 2017, 101, 75-83.	3.6	35
46	The Ontogeny of Cytochrome P450 Enzyme Activity and Protein Abundance in Conventional Pigs in Support of Preclinical Pediatric Drug Research. <i>Frontiers in Pharmacology</i> , 2018, 9, 470.	3.5	35
47	Dietary exposure assessment and risk characterization of citrinin and ochratoxin A in Belgium. <i>Food and Chemical Toxicology</i> , 2021, 147, 111914.	3.6	33
48	Multi-Mycotoxin Contamination of Maize Silages in Flanders, Belgium: Monitoring Mycotoxin Levels from Seed to Feed. <i>Toxins</i> , 2021, 13, 202.	3.4	33
49	Pharmacokinetics and oral bioavailability of a doxycycline formulation (DOXYCYCLINE 75%) in nonfasted young pigs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2000, 23, 45-48.	1.3	32
50	An in vitro model using the IPEC-J2 cell line for efficacy and drug interaction testing of mycotoxin detoxifying agents. <i>Toxicology in Vitro</i> , 2013, 27, 157-163.	2.4	32
51	Comparative Oral Bioavailability, Toxicokinetics, and Biotransformation of Enniatin B1 and Enniatin B in Broiler Chickens. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7259-7264.	5.2	32
52	In Vitro Rumen Simulations Show a Reduced Disappearance of Deoxynivalenol, Nivalenol and Enniatin B at Conditions of Rumen Acidosis and Lower Microbial Activity. <i>Toxins</i> , 2020, 12, 101.	3.4	32
53	Determination of ivermectin B1a in animal plasma by liquid chromatography combined with electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002, 37, 840-847.	1.6	31
54	Characterization of Porcine Hepatic and Intestinal Drug Metabolizing CYP450: Comparison with Human Orthologues from A Quantitative, Activity and Selectivity Perspective. <i>Scientific Reports</i> , 2019, 9, 9233.	3.3	31

#	ARTICLE	IF	CITATIONS
55	Multi-class analysis of 46 antimicrobial drug residues in pond water using UHPLC-Orbitrap-HRMS and application to freshwater ponds in Flanders, Belgium. <i>Talanta</i> , 2020, 220, 121326.	5.5	31
56	Mycotoxins in Poultry Feed and Feed Ingredients from Sub-Saharan Africa and Their Impact on the Production of Broiler and Layer Chickens: A Review. <i>Toxins</i> , 2021, 13, 633.	3.4	31
57	T-2 toxin induced <i>Salmonella</i> Typhimurium intoxication results in decreased <i>Salmonella</i> numbers in the cecum contents of pigs, despite marked effects on <i>Salmonella</i> -host cell interactions. <i>Veterinary Research</i> , 2012, 43, 22.	3.0	30
58	Development and validation of an LC-MS/MS method for the toxicokinetic study of deoxynivalenol and its acetylated derivatives in chicken and pig plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 971, 43-51.	2.3	30
59	The mycotoxin deoxynivalenol promotes uptake of <i>Salmonella</i> Typhimurium in porcine macrophages, associated with ERK1/2 induced cytoskeleton reorganization. <i>Veterinary Research</i> , 2009, 40, 64.	3.0	30
60	Toxicokinetic study and oral bioavailability of deoxynivalenol in turkey poults, and comparative biotransformation between broilers and turkeys. <i>World Mycotoxin Journal</i> , 2015, 8, 533-539.	1.4	28
61	Modulation by gamithromycin and ketoprofen of in vitro and in vivo porcine lipopolysaccharide-induced inflammation. <i>Veterinary Immunology and Immunopathology</i> , 2015, 168, 211-222.	1.2	28
62	Characterization of an intravenous lipopolysaccharide inflammation model in calves with respect to the acute-phase response. <i>Veterinary Immunology and Immunopathology</i> , 2015, 163, 46-56.	1.2	28
63	Influence of Mycotoxins and a Mycotoxin Adsorbing Agent on the Oral Bioavailability of Commonly Used Antibiotics in Pigs. <i>Toxins</i> , 2012, 4, 281-295.	3.4	27
64	Disposition and oral bioavailability of amoxicillin and clavulanic acid in pigs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2007, 30, 550-555.	1.3	26
65	Effect of administration route and dose escalation on plasma and intestinal concentrations of enrofloxacin and ciprofloxacin in broiler chickens. <i>BMC Veterinary Research</i> , 2014, 10, 289.	1.9	26
66	Efficacy of Active Carbon towards the Absorption of Deoxynivalenol in Pigs. <i>Toxins</i> , 2014, 6, 2998-3004.	3.4	26
67	Overzicht van de meest belangrijke mycotoxines voor de varkens- en pluimveehouderij. <i>Vlaams Diergeneeskundig Tijdschrift</i> , 2013, 82, .	0.1	25
68	Development and validation of a high-resolution mass-spectrometry-based method to study the long-term stability of natural and synthetic glucocorticoids in faeces. <i>Journal of Chromatography A</i> , 2014, 1336, 76-86.	3.7	24
69	Residues of chlortetracycline, doxycycline and sulfadiazine-trimethoprim in intestinal content and feces of pigs due to cross-contamination of feed. <i>BMC Veterinary Research</i> , 2016, 12, 209.	1.9	24
70	High-performance liquid chromatographic-UV detection analysis of ceftiofur and its active metabolite desfuroylceftiofur in horse plasma and synovial fluid after regional intravenous perfusion and systemic intravenous injection of ceftiofur sodium. <i>Analytica Chimica Acta</i> , 2004, 512, 75-84.	5.4	23
71	Control of the keto-enol tautomerism of chlortetracycline for its straightforward quantitation in pig tissues by liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1133, 135-141.	3.7	23
72	New bolus models for in vivo efficacy testing of mycotoxin-detoxifying agents in relation to EFSA guidelines, assessed using deoxynivalenol in broiler chickens. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012, 29, 1101-1107.	2.3	23

#	ARTICLE	IF	CITATIONS
73	Quantitative Determination of Tenuazonic Acid in Pig and Broiler Chicken Plasma by LC-MS/MS and Its Comparative Toxicokinetics. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8560-8567.	5.2	23
74	Biomarkers for Exposure as A Tool for Efficacy Testing of A Mycotoxin Detoxifier in Broiler Chickens and Pigs. <i>Toxins</i> , 2019, 11, 187.	3.4	23
75	Renal Function and Morphology in Aged Beagle Dogs Before and after Hydrocortisone Administration. <i>PLoS ONE</i> , 2012, 7, e31702.	2.5	22
76	Quantitative determination of exo- and endo-iohexol in canine and feline samples using high performance liquid chromatography with ultraviolet detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 61, 50-56.	2.8	22
77	The mycotoxin T-2 inhibits hepatic cytochrome P4503A activity in pigs. <i>Food and Chemical Toxicology</i> , 2013, 57, 54-56.	3.6	22
78	Repetitive urine and blood sampling in neonatal and weaned piglets for pharmacokinetic and pharmacodynamic modelling in drug discovery: a pilot study. <i>Laboratory Animals</i> , 2017, 51, 498-508.	1.0	22
79	Presence of low virulence chytrid fungi could protect European amphibians from more deadly strains. <i>Nature Communications</i> , 2020, 11, 5393.	12.8	22
80	Pharmacokinetics, absolute bioavailability and tolerability of ketamine after intranasal administration to dexmedetomidine sedated dogs. <i>PLoS ONE</i> , 2020, 15, e0227762.	2.5	22
81	Efficacy and safety testing of mycotoxin-detoxifying agents in broilers following the European Food Safety Authority guidelines. <i>Poultry Science</i> , 2012, 91, 2046-2054.	3.4	21
82	The effects of feed-borne Fusarium mycotoxins and glucomannan in turkey poult based on specific and non-specific parameters. <i>Food and Chemical Toxicology</i> , 2014, 63, 69-75.	3.6	21
83	Influence of administration route on the biotransformation of amoxicillin in the pig. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2009, 32, 241-248.	1.3	20
84	Comparative population pharmacokinetics and absolute oral bioavailability of COX-2 selective inhibitors celecoxib, mavacoxib and meloxicam in cockatiels ( <i>Nymphicus hollandicus</i> ). <i>Scientific Reports</i> , 2017, 7, 12043.	3.3	20
85	Comparative in vitro cytotoxicity of the emerging Fusarium mycotoxins beauvericin and enniatins to porcine intestinal epithelial cells. <i>Food and Chemical Toxicology</i> , 2018, 121, 566-572.	3.6	20
86	Transsplenic portal catheterization combined with a jugular double lumen catheter for pharmacokinetic and presystemic metabolization studies in pigs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2009, 32, 137-145.	1.3	19
87	Interaction between tylosin and bentonite clay from a pharmacokinetic perspective. <i>Veterinary Journal</i> , 2012, 194, 437-439.	1.7	19
88	Role of mycotoxins in herds with and without problems with tail necrosis in neonatal pigs. <i>Veterinary Record</i> , 2017, 181, 539-539.	0.3	19
89	Development of an UPLC-MS/MS Method for the Analysis of Mycotoxins in Rumen Fluid with and without Maize Silage Emphasizes the Importance of Using Matrix-Matched Calibration. <i>Toxins</i> , 2019, 11, 519.	3.4	19
90	Comparative Toxicokinetics and Plasma Protein Binding of Ochratoxin A in Four Avian Species. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2129-2135.	5.2	18

#	ARTICLE	IF	CITATIONS
91	Pharmacokinetics and electrophysiological effects of sotalol hydrochloride in horses. <i>Equine Veterinary Journal</i> , 2018, 50, 377-383.	1.7	18
92	Development and Validation of a UPLC-MS/MS and UPLC-HR-MS Method for the Determination of Fumonisin B1 and Its Hydrolysed Metabolites and Fumonisin B2 in Broiler Chicken Plasma. <i>Toxins</i> , 2018, 10, 62.	3.4	18
93	Development and validation of an ultra-high performance liquid chromatography-tandem mass spectrometry method for the simultaneous determination of iohexol, p-aminohippuric acid and creatinine in porcine and broiler chicken plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1117, 77-85.	2.3	18
94	Determination of cefquinome in pig plasma and bronchoalveolar lavage fluid by high-performance liquid chromatography combined with electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007, 42, 657-663.	1.6	17
95	Pharmacokinetics of gamithromycin after intravenous and subcutaneous administration in pigs. <i>Research in Veterinary Science</i> , 2014, 96, 160-163.	1.9	17
96	Routine kidney variables, glomerular filtration rate and urinary cystatin C in cats with diabetes mellitus, cats with chronic kidney disease and healthy cats. <i>Journal of Feline Medicine and Surgery</i> , 2015, 17, 880-888.	1.6	17
97	Evaluation of Cystatin C for the Detection of Chronic Kidney Disease in Cats. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 1074-1082.	1.6	17
98	Biotransformation of the mycotoxin enniatin B1 in pigs: A comparative in vitro and in vivo approach. <i>Food and Chemical Toxicology</i> , 2017, 105, 506-517.	3.6	17
99	Population Pharmacokinetic Modeling of a Desmopressin Oral Lyophilisate in Growing Piglets as a Model for the Pediatric Population. <i>Frontiers in Pharmacology</i> , 2018, 9, 41.	3.5	17
100	Enantiomer specific pharmacokinetics of ibuprofen in preterm neonates with patent ductus arteriosus. <i>British Journal of Clinical Pharmacology</i> , 2020, 86, 2028-2039.	2.4	17
101	Comparison of a liquid chromatographic method with ultraviolet and ion-trap tandem mass spectrometric detection for the simultaneous determination of sulfadiazine and trimethoprim in plasma from dogs. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 788, 167-178.	2.3	16
102	Chiral inversion of R(â) to S(+) ketoprofen in pigs. <i>Veterinary Journal</i> , 2011, 190, 290-292.	1.7	16
103	Chronic Exposure to Deoxynivalenol Has No Influence on the Oral Bioavailability of Fumonisin B1 in Broiler Chickens. <i>Toxins</i> , 2015, 7, 560-571.	3.4	16
104	The role of roughage provision on the absorption and disposition of the mycotoxin deoxynivalenol and its acetylated derivatives in calves: from field observations to toxicokinetics. <i>Archives of Toxicology</i> , 2019, 93, 293-310.	4.2	16
105	The impact of therapeutic-dose induced intestinal enrofloxacin concentrations in healthy pigs on fecal <i>Escherichia coli</i> populations. <i>BMC Veterinary Research</i> , 2020, 16, 382.	1.9	16
106	Residues of sulfadiazine and doxycycline in egg matrices due to cross-contamination in the feed of laying hens and the possible correlation with physicochemical, pharmacokinetic and physiological parameters. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012, 29, 908-917.	2.3	15
107	Residues of sulfadiazine and doxycycline in broiler liver and muscle tissue due to cross-contamination of feed. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012, 29, 180-188.	2.3	15
108	Simplified methods for estimating glomerular filtration rate in cats and for detection of cats with low or borderline glomerular filtration rate. <i>Journal of Feline Medicine and Surgery</i> , 2015, 17, 889-900.	1.6	15

#	ARTICLE	IF	CITATIONS
109	In Vitro Adsorption and in Vivo Pharmacokinetic Interaction between Doxycycline and Frequently Used Mycotoxin Binders in Broiler Chickens. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4370-4375.	5.2	15
110	T-2 Toxin-3 $\beta$ -glucoside in Broiler Chickens: Toxicokinetics, Absolute Oral Bioavailability, and in Vivo Hydrolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4797-4803.	5.2	15
111	Developmental Pharmacokinetics and Safety of Ibuprofen and Its Enantiomers in the Conventional Pig as Potential Pediatric Animal Model. <i>Frontiers in Pharmacology</i> , 2019, 10, 505.	3.5	15
112	Impact of Subacute Exposure to T-2 Toxin and Zearalenone on the Pharmacokinetics of Midazolam as CYP3A Probe Drug in a Porcine Animal Model: A Pilot Study. <i>Frontiers in Pharmacology</i> , 2019, 10, 399.	3.5	15
113	A Study of Carry-Over and Histopathological Effects after Chronic Dietary Intake of Citrinin in Pigs, Broiler Chickens and Laying Hens. <i>Toxins</i> , 2020, 12, 719.	3.4	15
114	Pediatric Pharmacology of Desmopressin in Children with Enuresis: A Comprehensive Review. <i>Paediatric Drugs</i> , 2020, 22, 369-383.	3.1	15
115	Pharmacokinetics and bioavailability of sulfadiazine and trimethoprim (trimazin 30%) after oral administration in non-fasted young pigs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2001, 24, 295-298.	1.3	14
116	T-2 toxin impairs antifungal activities of chicken macrophages against <i>Aspergillus fumigatus</i> conidia but promotes the pro-inflammatory responses. <i>Avian Pathology</i> , 2013, 42, 457-463.	2.0	14
117	Development and validation of a liquid chromatography-tandem mass spectrometry method for the quantitative determination of gamithromycin in animal plasma, lung tissue and pulmonary epithelial lining fluid. <i>Journal of Chromatography A</i> , 2015, 1398, 73-82.	3.7	14
118	Veterinary Drug Residues in Foods. , 2017, , 117-153.		14
119	Pharmacokinetics and absolute oral bioavailability of meloxicam in guinea pigs ( <i>Cavia porcellus</i> ). <i>Veterinary Anaesthesia and Analgesia</i> , 2019, 46, 548-555.	0.6	14
120	Conventional Pig as Animal Model for Human Renal Drug Excretion Processes: Unravelling the Porcine Renal Function by Use of a Cocktail of Exogenous Markers. <i>Frontiers in Pharmacology</i> , 2020, 11, 883.	3.5	14
121	Effect of Selected Cooking Ingredients for Nixtamalization on the Reduction of Fusarium Mycotoxins in Maize and Sorghum. <i>Toxins</i> , 2021, 13, 27.	3.4	14
122	Pharmacokinetics of gamithromycin after intravenous and subcutaneous administration in broiler chickens. <i>Poultry Science</i> , 2013, 92, 1516-1522.	3.4	13
123	Comparative Pharmacokinetics and Allometric Scaling of Carboplatin in Different Avian Species. <i>PLoS ONE</i> , 2015, 10, e0134177.	2.5	13
124	Pharmacokinetics of intravenously and orally administered sotalol hydrochloride in horses and effects on surface electrocardiogram and left ventricular systolic function. <i>Veterinary Journal</i> , 2016, 208, 60-64.	1.7	13
125	Effect of residual doxycycline concentrations on resistance selection and transfer in porcine commensal <i>Escherichia coli</i> . <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 123-127.	2.5	13
126	Alfaxalone total intravenous anaesthesia in dogs: pharmacokinetics, cardiovascular data and recovery characteristics. <i>Veterinary Anaesthesia and Analgesia</i> , 2019, 46, 605-612.	0.6	13



#	ARTICLE	IF	CITATIONS
127	Quantitative analysis of diclazuril in animal plasma by liquid chromatography/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1463-1469.	1.5	12
128	Storage stability study of porcine hepatic and intestinal cytochrome P450 isoenzymes by use of a newly developed and fully validated highly sensitive HPLC-MS/MS method. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1833-1843.	3.7	12
129	Comparative physiology of glomerular filtration rate by plasma clearance of exogenous creatinine and exo-iohexol in six different avian species. <i>Scientific Reports</i> , 2019, 9, 19699.	3.3	12
130	Weight-gain induced changes in renal perfusion assessed by contrast-enhanced ultrasound precede increases in urinary protein excretion suggestive of glomerular and tubular injury and normalize after weight-loss in dogs. <i>PLoS ONE</i> , 2020, 15, e0231662.	2.5	12
131	Multi-residue analysis of 20 mycotoxins including major metabolites and emerging mycotoxins in freshwater using UHPLC-MS/MS and application to freshwater ponds in Flanders, Belgium. <i>Environmental Research</i> , 2021, 196, 110366.	7.5	12
132	Cytotoxic Effects of Alternariol, Alternariol Monomethyl-Ether, and Tenuazonic Acid and Their Relevant Combined Mixtures on Human Enterocytes and Hepatocytes. <i>Frontiers in Microbiology</i> , 2022, 13, 849243.	3.5	12
133	Comparison of plasma clearance of exogenous creatinine, exo-iohexol, and endo-iohexol over a range of glomerular filtration rates expected in cats. <i>Journal of Feline Medicine and Surgery</i> , 2009, 11, 1028-1030.	1.6	11
134	Novel insights into relationships between egg corticosterone and timing of breeding revealed by LC-MS/MS. <i>Journal of Avian Biology</i> , 2015, 46, 643-647.	1.2	11
135	Immunomodulatory properties of gamithromycin and ketoprofen in lipopolysaccharide-challenged calves with emphasis on the acute-phase response. <i>Veterinary Immunology and Immunopathology</i> , 2016, 171, 28-37.	1.2	11
136	Feed contamination with Fusarium mycotoxins induces a corticosterone stress response in broiler chickens. <i>Poultry Science</i> , 2017, 96, 14-17.	3.4	11
137	Similar Gastro-Intestinal Exposure to Florfenicol After Oral or Intramuscular Administration in Pigs, Leading to Resistance Selection in Commensal <i>Escherichia coli</i> . <i>Frontiers in Pharmacology</i> , 2018, 9, 1265.	3.5	11
138	Chronic Dietary Intake of Enniatin B in Broiler Chickens Has Low Impact on Intestinal Morphometry and Hepatic Histology, and Shows Limited Transfer to Liver Tissue. <i>Toxins</i> , 2018, 10, 45.	3.4	11
139	Breast levonorgestrel concentrations in women using a levonorgestrel-releasing intrauterine system. <i>Contraception</i> , 2019, 100, 299-301.	1.5	11
140	Agricultural contaminants in amphibian breeding ponds: Occurrence, risk and correlation with agricultural land use. <i>Science of the Total Environment</i> , 2022, 806, 150661.	8.0	11
141	Evaluation of the antiviral activity of (1 <i>S</i> ,2 <i>R</i> )-9-[[1 <i>S</i> ,2 <i>R</i> -bis(hydroxymethyl)cycloprop-1 <i>yl</i> ]methyl]guanine (A-5021) against equine herpesvirus type 1 in cell monolayers and equine nasal mucosal explants. <i>Antiviral Research</i> , 2012, 93, 234-238.	4.1	10
142	Multiplex analysis of pro-inflammatory cytokines in serum of <i>Actinobacillus pleuropneumoniae</i> -infected pigs. <i>Research in Veterinary Science</i> , 2015, 102, 45-48.	1.9	10
143	Study of the immunomodulatory properties of gamithromycin and dexamethasone in a lipopolysaccharide inflammation model in calves. <i>Research in Veterinary Science</i> , 2015, 103, 218-223.	1.9	10
144	Effect of administration route and dose alteration on sulfadiazine-trimethoprim plasma and intestinal concentrations in pigs. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 707-714.	2.5	10

#	ARTICLE	IF	CITATIONS
145	Elevated urinary excretion of free pyridinoline in Friesian horses suggests a breed-specific increase in collagen degradation. <i>BMC Veterinary Research</i> , 2018, 14, 139.	1.9	10
146	Assessment of Dried Blood Spots for Multi-Mycotoxin Biomarker Analysis in Pigs and Broiler Chickens. <i>Toxins</i> , 2019, 11, 541.	3.4	10
147	Evaluation of the Efficacy of Mycotoxin Modifiers and Mycotoxin Binders by Using an In Vitro Rumen Model as a First Screening Tool. <i>Toxins</i> , 2020, 12, 405.	3.4	10
148	Enantioselective pharmacokinetics of ketoprofen in calves after intramuscular administration of a racemic mixture. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015, 38, 410-413.	1.3	9
149	Influence of Mycotoxin Binders on the Oral Bioavailability of Doxycycline in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2120-2126.	5.2	9
150	Influence of mycotoxin binders on the oral bioavailability of tylosin, doxycycline, diclazuril, and salinomycin in fed broiler chickens. <i>Poultry Science</i> , 2017, 96, 2137-2144.	3.4	9
151	Toxicokinetics of Hydrolyzed Fumonisin B1 after Single Oral or Intravenous Bolus to Broiler Chickens Fed a Control or a Fumonisin-Contaminated Diet. <i>Toxins</i> , 2020, 12, 413.	3.4	9
152	Comprehensive toxicokinetic analysis reveals major interspecies differences in absorption, distribution and elimination of citrinin in pigs and broiler chickens. <i>Food and Chemical Toxicology</i> , 2020, 141, 111365.	3.6	9
153	Porcine ear necrosis. <i>Veterinary Journal</i> , 2021, 271, 105655.	1.7	9
154	Hepatic and intestinal CYP3A expression and activity in broilers. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2013, 36, 588-593.	1.3	8
155	Comparative method validation for closantel determination in cattle and sheep milk according to European Union Volume 8 and Veterinary International Conference on Harmonization guidelines. <i>Journal of Chromatography A</i> , 2014, 1353, 106-113.	3.7	8
156	The impact of stress on the prevalence of prednisolone in bovine urine: A metabolic fingerprinting approach. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 154, 206-216.	2.5	8
157	Pharmacokinetic and pharmacodynamic properties of gamithromycin in turkey poults with respect to <i>Ornithobacterium rhinotracheale</i> . <i>Poultry Science</i> , 2015, 94, 2066-2074.	3.4	8
158	Pharmacokinetics of florfenicol in turkey plasma, lung tissue, and pulmonary epithelial lining fluid after single oral bolus or continuous administration in the drinking water. <i>Poultry Science</i> , 2018, 97, 1134-1140.	3.4	8
159	Perioperative pharmacokinetics and pharmacodynamics of meloxicam in emus ( <i>Dromaius</i> ). <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 603-618.	1.3	8
160	Highly sensitive multi-residue analysis of veterinary drugs including coccidiostats and anthelmintics in pond water using UHPLC-MS/MS: application to freshwater ponds in Flanders, Belgium. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2117-2131.	3.5	8
161	Evaluation of serum lidocaine/monoethylglycylxylidide concentration to assess shunt closure in dogs with extrahepatic portosystemic shunts. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 261-268.	1.6	8
162	Essential descriptors for mycotoxin contamination data in food and feed. <i>Food Research International</i> , 2022, 152, 110883.	6.2	8

#	ARTICLE	IF	CITATIONS
163	The ergogenic effect of acute carnosine and anserine supplementation: dosing, timing, and underlying mechanism. <i>Journal of the International Society of Sports Nutrition</i> , 2022, 19, 70-91.	3.9	8
164	<i>In vitro</i> model to assess the adsorption of oral veterinary drugs to mycotoxin binders in a feed- and aflatoxin B1-containing buffered matrix. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1728-1738.	2.3	7
165	In Vivo Metabolism of Ibuprofen in Growing Conventional Pigs: A Pharmacokinetic Approach. <i>Frontiers in Pharmacology</i> , 2019, 10, 712.	3.5	7
166	Oral group medication in pig production: characterising medicated feed and drinking water systems. <i>Veterinary Record</i> , 2019, 185, 405-405.	0.3	7
167	Investigation of age-related differences in toxicokinetic processes of deoxynivalenol and deoxynivalenol-3-glucoside in weaned piglets. <i>Archives of Toxicology</i> , 2020, 94, 417-425.	4.2	7
168	Toxicokinetic Studies in Piglets Reveal Age-Related Differences in Systemic Exposure to Zearalenone, Zearalenone-14-Glucoside, and Zearalenone-14-Sulfate. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7757-7764.	5.2	7
169	Volumetric absorptive microsampling as alternative sampling technique for renal function assessment in the paediatric population using iohexol. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1171, 122623.	2.3	7
170	The Impact of Deoxynivalenol on Pigeon Health: Occurrence in Feed, Toxicokinetics and Interaction with Salmonellosis. <i>PLoS ONE</i> , 2016, 11, e0168205.	2.5	7
171	Hormone and veterinary drug residue analysis in food, feed, biological and environmental matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4339-4342.	3.7	6
172	Towards a food web based control strategy to mitigate an amphibian panzootic in agricultural landscapes. <i>Global Ecology and Conservation</i> , 2020, 24, e01314.	2.1	6
173	The efficacy and effect on gut microbiota of an aflatoxin binder and a fumonisin esterase using an <i>in vitro</i> simulator of the human intestinal microbial ecosystem (SHIME <sup>®</sup> ). <i>Food Research International</i> , 2021, 145, 110395.	6.2	6
174	The Effect of Morphine on Regional Cerebral Blood Flow Measured by 99mTc-ECD SPECT in Dogs. <i>PLoS ONE</i> , 2014, 9, e109680.	2.5	5
175	Selection and transfer of an Inc11- <i>tet</i> (A) plasmid of <i>Escherichia coli</i> in an <i>ex vivo</i> model of the porcine caecum at doxycycline concentrations caused by crosscontaminated feed. <i>Journal of Applied Microbiology</i> , 2017, 123, 1312-1320.	3.1	5
176	Clinical impact of deoxynivalenol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on the severity of an experimental <i>Mycoplasma hyopneumoniae</i> infection in pigs. <i>BMC Veterinary Research</i> , 2018, 14, 190.	1.9	5
177	Simultaneous Measurement of Glomerular Filtration Rate, Effective Renal Plasma Flow and Tubular Secretion in Different Poultry Species by Single Intravenous Bolus of Iohexol and Para-Aminohippuric Acid. <i>Animals</i> , 2020, 10, 1027.	2.3	5
178	Porcine ear necrosis in weaned piglets: prevalence and impact on daily weight gain. <i>Porcine Health Management</i> , 2021, 7, 61.	2.6	5
179	The effect of prolonged exposure to morphine on canine cerebral 5-HT <sub>2A</sub> receptors measured with 123I-R91150 SPECT. <i>European Neuropsychopharmacology</i> , 2014, 24, 1133-1138.	0.7	4
180	Efficacy of gamithromycin against <i>Ornithobacterium rhinotracheale</i> in turkey poult pre-infected with avian metapneumovirus. <i>Avian Pathology</i> , 2016, 45, 545-551.	2.0	4

#	ARTICLE	IF	CITATIONS
181	Stability, Homogeneity and Carry-Over of Amoxicillin, Doxycycline, Florfenicol and Flubendazole in Medicated Feed and Drinking Water on 24 Pig Farms. <i>Antibiotics</i> , 2020, 9, 563.	3.7	4
182	Applied Research Note: Biomonitoring of mycotoxins in blood serum and feed to assess exposure of broiler chickens. <i>Journal of Applied Poultry Research</i> , 2021, 30, 100111.	1.2	4
183	Unraveling the Contribution of Fluid Therapy to the Development of Augmented Renal Clearance in a Piglet Model. <i>Frontiers in Pharmacology</i> , 2020, 11, 607101.	3.5	4
184	Bacterial Enrichment Cultures Biotransform the Mycotoxin Deoxynivalenol into a Novel Metabolite Toxic to Plant and Porcine Cells. <i>Toxins</i> , 2021, 13, 552.	3.4	4
185	GLP principles and their role in supporting pharmacokinetic and residue depletion studies for drug registration and licensing. <i>Drug Testing and Analysis</i> , 2016, 8, 572-577.	2.6	3
186	The role of alanine glyoxylate transaminase-2 (agxt2) in $\alpha$ -alanine and carnosine metabolism of healthy mice and humans. <i>European Journal of Applied Physiology</i> , 2020, 120, 2749-2759.	2.5	3
187	Ergogenic effect of pre-exercise chicken broth ingestion on a high-intensity cycling time-trial. <i>Journal of the International Society of Sports Nutrition</i> , 2021, 18, 15.	3.9	3
188	The Development of a Juvenile Porcine Augmented Renal Clearance Model Through Continuous Infusion of Lipopolysaccharides: An Exploratory Study. <i>Frontiers in Veterinary Science</i> , 2021, 8, 639771.	2.2	3
189	Intestinal Exposure to Ceftiofur and Cefquinome after Intramuscular Treatment and the Impact of Ceftiofur on the Pig Fecal Microbiome and Resistome. <i>Antibiotics</i> , 2022, 11, 342.	3.7	3
190	Machine learning-aided design of composite mycotoxin detoxifier material for animal feed. <i>Scientific Reports</i> , 2022, 12, 4838.	3.3	3
191	Chronic exposure to the mycotoxin $\alpha$ promotes oral absorption of chlortetracycline in pigs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2013, 36, 621-624.	1.3	2
192	Quantification of ketamine and norketamine in bovine plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1357-1362.	2.2	2
193	Pharmacokinetic and urinary profiling reveals the prednisolone/cortisol ratio as a valid biomarker for prednisolone administration. <i>BMC Veterinary Research</i> , 2017, 13, 236.	1.9	2
194	Description of Plasma Penicillin G Concentrations after Intramuscular Injection in Double-Musled Cows to Optimize the Timing of Antibiotherapy for Caesarean Section. <i>Veterinary Sciences</i> , 2021, 8, 67.	1.7	2
195	Development and Validation of Liquid Chromatography-Tandem Mass Spectrometry Methods for the Quantification of Cefquinome, Ceftiofur, and Desfuroylceftiofuracetamide in Porcine Feces with Emphasis on Analyte Stability. <i>Molecules</i> , 2021, 26, 4598.	3.8	2
196	Influence of nixtamalization cooking ingredients on the minerals composition of nixtamalized maize and sorghum. <i>Journal of Cereal Science</i> , 2022, 103, 103373.	3.7	2
197	P25...Comparison of renal function estimation methods in critically ill children: a pilot study. <i>Archives of Disease in Childhood</i> , 2019, 104, e27.1-e27.	1.9	1
198	Alternative food sources interfere with removal of a fungal amphibian pathogen by zooplankton. <i>Journal of Applied Ecology</i> , 0, , .	4.0	1

#	ARTICLE	IF	CITATIONS
199	Impact of heavy metal exposure on biological control of a deadly amphibian pathogen by zooplankton. <i>Science of the Total Environment</i> , 2022, 823, 153800.	8.0	1
200	Efficacy of Fumonisin Esterase in Piglets as Animal Model for Fumonisin Detoxification in Humans: Pilot Study Comparing Intraoral to Intragastric Administration. <i>Toxins</i> , 2022, 14, 136.	3.4	1
201	O16â€¦Piglets as animal model to assess the contribution of fluid therapy to the development of augmented renal clearance in children. <i>Archives of Disease in Childhood</i> , 2019, 104, e7.2-e7.	1.9	0
202	P27â€¦The juvenile pig as animal model for unraveling renal drug elimination processes in children. <i>Archives of Disease in Childhood</i> , 2019, 104, e28.1-e28.	1.9	0
203	Gastrostomy tube placement via a laparotomic procedure in growing conventional piglets to perform multi-dose preclinical paediatric drug studies. <i>Laboratory Animals</i> , 2020, 54, 261-271.	1.0	0
204	Calcination Improves the In Vivo Efficacy of a Montmorillonite Clay to Bind Aflatoxin G1 in Broiler Chickens: A Toxicokinetic Approach. <i>Toxins</i> , 2020, 12, 660.	3.4	0
205	Exploratory real-time kinetic analysis of the cytotoxicity induced by maize silage mycotoxins in a calf intestinal epithelial cell line. <i>World Mycotoxin Journal</i> , 2021, 14, 513-523.	1.4	0
206	Persecution of Birds of Prey in Flanders: A Retrospective Study 2011â€“19. <i>Journal of Wildlife Diseases</i> , 2021, 57, 922-926.	0.8	0
207	Comparative pharmacokinetics of imepitoin after oral and rectal administration in healthy dogs. <i>Veterinary Journal</i> , 2020, 259-260, 105459.	1.7	0