Zhoumeng Lin

List of Publications by Citations

87 papers	1,748 citations	25 h-index	39 g-index
95 ext. papers	2,245 ext. citations	4.4 avg, IF	5.24 L-index

#	Paper	IF	Citations
87	Pharmacokinetics of metallic nanoparticles. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2015**, 7, 189-217	9.2	135
86	Serum Vitamin D Levels and Polycystic Ovary syndrome: A Systematic Review and Meta-Analysis. *Nutrients*, **2015**, 7, 4555-77	6.7	109
85	A computational framework for interspecies pharmacokinetics, exposure and toxicity assessment of gold nanoparticles. *Nanomedicine*, **2016**, 11, 107-19	5.6	73
84	Meta-Analysis of Nanoparticle Delivery to Tumors Using a Physiologically Based Pharmacokinetic Modeling and Simulation Approach. *ACS Nano*, **2020**, 14, 3075-3095	16.7	68
83	Neurochemical and electrophysiological deficits in the ventral hippocampus and selective behavioral alterations caused by high-fat diet in female C57BL/6 mice. *Neuroscience*, **2015**, 297, 170-81	3.9	60
82	Short-term atrazine exposure causes behavioral deficits and disrupts monoaminergic systems in male C57BL/6 mice. *Neurotoxicology and Teratology*, **2013**, 39, 26-35	3.9	59
81	Mathematical modeling and simulation in animal health - Part II: principles, methods, applications, and value of physiologically based pharmacokinetic modeling in veterinary medicine and food safety assessment. *Journal of Veterinary Pharmacology and Therapeutics*, **2016**, 39, 421-38	1.4	57
80	Bacterial endotoxin (lipopolysaccharide) binds to the surface of gold nanoparticles, interferes with biocorona formation and induces human monocyte inflammatory activation. *Nanotoxicology*, **2017**, 11, 1157-1175	5.3	55
79	Effects of DDIT4 in Methamphetamine-Induced Autophagy and Apoptosis in Dopaminergic Neurons. *Molecular Neurobiology*, **2017**, 54, 1642-1660	6.2	53
78	Nupr1 Modulates Methamphetamine-Induced Dopaminergic Neuronal Apoptosis and Autophagy through CHOP-Trib3-Mediated Endoplasmic Reticulum Stress Signaling Pathway. *Frontiers in Molecular Neuroscience*, **2017**, 10, 203	6.1	48
77	Estimation of placental and lactational transfer and tissue distribution of atrazine and its main metabolites in rodent dams, fetuses, and neonates with physiologically based pharmacokinetic modeling. *Toxicology and Applied Pharmacology*, **2013**, 273, 140-58	4.6	48
76	Time-dependent behavioral, neurochemical, and metabolic dysregulation in female C57BL/6 mice caused by chronic high-fat diet intake. *Physiology and Behavior*, **2016**, 157, 196-208	3.5	45
75	A physiologically based pharmacokinetic model for polyethylene glycol-coated gold nanoparticles of different sizes in adult mice. *Nanotoxicology*, **2016**, 10, 162-72	5.3	44
74	Toll-Like Receptor 4 Mediates Methamphetamine-Induced Neuroinflammation through Caspase-11 Signaling Pathway in Astrocytes. *Frontiers in Molecular Neuroscience*, **2017**, 10, 409	6.1	44
73	Caspase-11 plays an essential role in methamphetamine-induced dopaminergic neuron apoptosis. *Toxicological Sciences*, **2015**, 145, 68-79	4.4	44
72	Performance Assessment and Translation of Physiologically Based Pharmacokinetic Models From acslX to Berkeley Madonna, MATLAB, and R Language: Oxytetracycline and Gold Nanoparticles As Case Examples. *Toxicological Sciences*, **2017**, 158, 23-35	4.4	40
71	Development and application of a multiroute physiologically based pharmacokinetic model for oxytetracycline in dogs and humans. *Journal of Pharmaceutical Sciences*, **2015**, 104, 233-43	3.9	40

70	Insulin-like growth factor binding protein 5 (IGFBP5) mediates methamphetamine-induced dopaminergic neuron apoptosis. *Toxicology Letters*, **2014**, 230, 444-53	4.4	37
69	Gestational and lactational exposure to atrazine via the drinking water causes specific behavioral deficits and selectively alters monoaminergic systems in C57BL/6 mouse dams, juvenile and adult offspring. *Toxicological Sciences*, **2014**, 141, 90-102	4.4	37
68	Development and application of a population physiologically based pharmacokinetic model for penicillin G in swine and cattle for food safety assessment. *Food and Chemical Toxicology*, **2017**, 107, 74-87	4.7	36
67	DNA damage-inducible transcript 4 (DDIT4) mediates methamphetamine-induced autophagy and apoptosis through mTOR signaling pathway in cardiomyocytes. *Toxicology and Applied Pharmacology*, **2016**, 295, 1-11	4.6	36
66	Role of PUMA in methamphetamine-induced neuronal apoptosis. *Toxicology Letters*, **2016**, 240, 149-60	4.4	35
65	Nupr1/Chop signal axis is involved in mitochondrion-related endothelial cell apoptosis induced by methamphetamine. *Cell Death and Disease*, **2016**, 7, e2161	9.8	34
64	A physiologically based pharmacokinetic model for atrazine and its main metabolites in the adult male C57BL/6 mouse. *Toxicology and Applied Pharmacology*, **2011**, 251, 16-31	4.6	31
63	Short-term oral atrazine exposure alters the plasma metabolome of male C57BL/6 mice and disrupts -linolenate, tryptophan, tyrosine and other major metabolic pathways. *Toxicology*, **2014**, 326, 130-41	4.4	26
62	Bayesian evaluation of a physiologically based pharmacokinetic (PBPK) model for perfluorooctane sulfonate (PFOS) to characterize the interspecies uncertainty between mice, rats, monkeys, and humans: Development and performance verification. *Environment International*, **2019**, 129, 408-422	12.9	25
61	Methamphetamine exposure triggers apoptosis and autophagy in neuronal cells by activating the C/EBP-related signaling pathway. *FASEB Journal*, **2018**, 32, fj201701460RRR	0.9	24
60	Human Food Safety Implications of Variation in Food Animal Drug Metabolism. *Scientific Reports*, **2016**, 6, 27907	4.9	22
59	A framework for meta-analysis of veterinary drug pharmacokinetic data using mixed effect modeling. *Journal of Pharmaceutical Sciences*, **2015**, 104, 1230-9	3.9	21
58	CDK5-mediated tau accumulation triggers methamphetamine-induced neuronal apoptosis via endoplasmic reticulum-associated degradation pathway. *Toxicology Letters*, **2018**, 292, 97-107	4.4	20
57	Probabilistic Physiologically Based Pharmacokinetic Model for Penicillin G in Milk From Dairy Cows Following Intramammary or Intramuscular Administrations. *Toxicological Sciences*, **2018**, 164, 85-100	4.4	19
56	Consequences of fipronil exposure in egg-laying hens. *Journal of the American Veterinary Medical Association*, **2018**, 253, 57-60	1	19
55	Differentiation state-dependent effects of in vitro exposure to atrazine or its metabolite diaminochlorotriazine in a dopaminergic cell line. *Life Sciences*, **2013**, 92, 81-90	6.8	17
54	Assessing Global Human Exposure to T-2 Toxin via Poultry Meat Consumption Using a Lifetime Physiologically Based Pharmacokinetic Model. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 1563-1571	5.7	17
53	Probabilistic risk assessment of gold nanoparticles after intravenous administration by integrating in vitro and in vivo toxicity with physiologically based pharmacokinetic modeling. *Nanotoxicology*, **2018**, 12, 453-469	5.3	16

52	Pharmacokinetics and Pharmacodynamics of Tildipirosin Against in a Murine Lung Infection Model. *Frontiers in Microbiology*, **2018**, 9, 1038	5.7	16
51	Effect of temperature on plasma and tissue kinetics of doxycycline in grass carp (Ctenopharyngodon idella) after oral administration. *Aquaculture*, **2019**, 511, 734204	4.4	16
50	Probabilistic human health risk assessment of perfluorooctane sulfonate (PFOS) by integrating in vitro, in vivo toxicity, and human epidemiological studies using a Bayesian-based dose-response assessment coupled with physiologically based pharmacokinetic (PBPK) modeling approach. *Environment International*, **2020**, 137, 105581	12.9	15
49	Tissue residue depletion kinetics and withdrawal time estimation of doxycycline in grass carp, Ctenopharyngodon idella, following multiple oral administrations. *Food and Chemical Toxicology*, **2019**, 131, 110592	4.7	13
48	Integration of Food Animal Residue Avoidance Databank (FARAD) empirical methods for drug withdrawal interval determination with a mechanistic population-based interactive physiologically based pharmacokinetic (iPBPK) modeling platform: example for flunixin meglumine administration. *Archives of Toxicology*, **2019**, 93, 1865-1880	5.8	13
47	A physiologically based pharmacokinetic model of doxycycline for predicting tissue residues and withdrawal intervals in grass carp (Ctenopharyngodon idella). *Food and Chemical Toxicology*, **2020**, 137, 111127	4.7	13
46	Pharmacokinetics of Mequindox and Its Marker Residue 1,4-Bisdesoxymequindox in Swine Following Multiple Oral Gavage and Intramuscular Administration: An Experimental Study Coupled with Population Physiologically Based Pharmacokinetic Modeling. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 5768-5777	5.7	11
45	Development and application of a population physiologically based pharmacokinetic model for florfenicol and its metabolite florfenicol amine in cattle. *Food and Chemical Toxicology*, **2019**, 126, 285-294	4.7	11
44	Physiological parameter values for physiologically based pharmacokinetic models in food-producing animals. Part I: Cattle and swine. *Journal of Veterinary Pharmacology and Therapeutics*, **2020**, 43, 385-420	1.4	11
43	Estimation of tulathromycin depletion in plasma and milk after subcutaneous injection in lactating goats using a nonlinear mixed-effects pharmacokinetic modeling approach. *BMC Veterinary Research*, **2016**, 12, 258	2.7	10
42	Plasma concentrations of eleven cannabinoids in cattle following oral administration of industrial hemp (Cannabis sativa). *Scientific Reports*, **2020**, 10, 12753	4.9	9
41	An integrated experimental and physiologically based pharmacokinetic modeling study of penicillin G in heavy sows. *Journal of Veterinary Pharmacology and Therapeutics*, **2019**, 42, 461-475	1.4	8
40	Extralabel drug use in small ruminants. *Journal of the American Veterinary Medical Association*, **2018** , 253, 1001-1009	1	7
39	Methamphetamine produces cardiac damage and apoptosis by decreasing melusin. *Toxicology and Applied Pharmacology*, **2019**, 378, 114543	4.6	6
38	Estimation of residue depletion of cyadox and its marker residue in edible tissues of pigs using physiologically based pharmacokinetic modelling. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2015**, 32, 2002-17	3.2	6
37	In vitro-in silico-based probabilistic risk assessment of combined exposure to bisphenol A and its analogues by integrating ToxCast high-throughput in vitro assays with in vitro to in vivo extrapolation (IVIVE) via physiologically based pharmacokinetic (PBPK) modeling. *Journal of Hazardous Materials*, **2020**, 399, 122856	12.8	6
36	Experimental challenges regarding the in vitro investigation of the nanoparticle-biocorona in disease states. *Toxicology in Vitro*, **2018**, 51, 40-49	3.6	6
35	Physiological parameter values for physiologically based pharmacokinetic models in food-producing animals. Part III: Sheep and goat. *Journal of Veterinary Pharmacology and Therapeutics*, **2021**, 44, 456-477	1.4	6

34	The construction and application of a population physiologically based pharmacokinetic model for methadone in Beagles and Greyhounds. *Journal of Veterinary Pharmacology and Therapeutics*, **2018**, 41, 670-683	1.4	5
33	Incorporating Exogenous and Endogenous Exposures into Dietary Risk Assessment of Nitrates and Nitrites in Vegetables: A Probabilistic Integrated Toxicokinetic Modeling Approach. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1079-1090	5.7	5
32	Physiological parameter values for physiologically based pharmacokinetic models in food-producing animals. Part II: Chicken and turkey. *Journal of Veterinary Pharmacology and Therapeutics*, **2020**, 44, 423	1.4	5
31	Determination of Pharmacokinetic and Pharmacokinetic-Pharmacodynamic Parameters of Doxycycline against in Yellow Catfish (). *Antibiotics*, **2021**, 10,	4.9	5
30	Bioavailability of suppository acetaminophen in healthy and hospitalized ill dogs. *Journal of Veterinary Pharmacology and Therapeutics*, **2018**, 41, 652-658	1.4	5
29	Translating Nanomedicine to Comparative Oncology-the Case for Combining Zinc Oxide Nanomaterials with Nucleic Acid Therapeutic and Protein Delivery for Treating Metastatic Cancer. *Journal of Pharmacology and Experimental Therapeutics*, **2019**, 370, 671-681	4.7	4
28	Relative Oral Bioavailability of Two Amoxicillin-Clavulanic Acid Formulations in Healthy Dogs: A Pilot Study. *Journal of the American Animal Hospital Association*, **2019**, 55, 14-22	1.3	4
27	A history and recent efforts of selected physiologically based pharmacokinetic modeling topics **2020**, 1-26		3
26	Pharmacokinetic Parameters and Estimated Milk Withdrawal Intervals for Domestic Goats () After Administration of Single and Multiple Intravenous and Subcutaneous Doses of Flunixin Meglumine. *Frontiers in Veterinary Science*, **2020**, 7, 213	3.1	3
25	Tissue residue depletion and estimation of extralabel meat withdrawal intervals for tulathromycin in calves after pneumatic dart administration. *Journal of Animal Science*, **2019**, 97, 3714-3726	0.7	3
24	Development of a Gestational and Lactational Physiologically Based Pharmacokinetic (PBPK) Model for Perfluorooctane Sulfonate (PFOS) in Rats and Humans and Its Implications in the Derivation of Health-Based Toxicity Values. *Environmental Health Perspectives*, **2021**, 129, 37004	8.4	3
23	Development and Application of an Interactive Physiologically Based Pharmacokinetic (iPBPK) Model to Predict Oxytetracycline Tissue Distribution and Withdrawal Intervals in Market-Age Sheep and Goats. *Toxicological Sciences*, **2021**, 183, 253-268	4.4	3
22	Physiologically based pharmacokinetic model calibration, evaluation, and performance assessment **2020**, 243-279		2
21	Comparative In Vitro Cytotoxicity of 20 Potential Food Ingredients in Canine Liver, Kidney, Bone Marrow-Derived Mesenchymal Stem Cells, and Enterocyte-like Cells. *Applied in Vitro Toxicology*, **2015**, 1, 276-288	1.3	2
20	Comparative Pharmacokinetics and Tissue Concentrations of Flunixin Meglumine and Meloxicam in Tilapia (Oreochromis spp.). *Fishes*, **2021**, 6, 68	2.5	2
19	Honey bee medicine for veterinarians and guidance for avoiding violative chemical residues in honey. *Journal of the American Veterinary Medical Association*, **2021**, 259, 860-873	1	2
18	Analgesic Comparison of Flunixin Meglumine or Meloxicam for Soft-Tissue Surgery in Sheep: A Pilot Study. *Animals*, **2021**, 11,	3.1	2
17	Predicting Nanoparticle Delivery to Tumors Using Machine Learning and Artificial Intelligence Approaches.. *International Journal of Nanomedicine*, **2022**, 17, 1365-1379	7.3	2

16	Fundamentals of physiologically based pharmacokinetic modeling **2020**, 57-80		1
15	A study to assess the correlation between plasma, oral fluid and urine concentrations of flunixin meglumine with the tissue residue depletion profile in finishing-age swine. *BMC Veterinary Research*, **2020**, 16, 211	2.7	1
14	Extralabel drug use in wildlife and game animals. *Journal of the American Veterinary Medical Association*, **2019**, 255, 555-568	1	1
13	Withdrawal Interval Estimation of Doxycycline in Yellow Catfish () Using an LC-MS/MS Method Based upon QuEChERS Sampling Preparation. *Foods*, **2021**, 10,	4.9	1
12	Early sex differences in hepatic metabolic signaling in offspring of obese female mice (1033.11). *FASEB Journal*, **2014**, 28, 1033.11	0.9	1
11	Zn-based physiometacomposite nanoparticles: distribution, tolerance, imaging, and antiviral and anticancer activity. *Nanomedicine*, **2021**, 16, 1857-1872	5.6	1
10	Pharmacokinetic Parameters and Estimating Extra-Label Tissue Withdrawal Intervals Using Three Approaches and Various Matrices for Domestic Laying Chickens Following Meloxicam Administration.. *Frontiers in Veterinary Science*, **2022**, 9, 826367	3.1	1
9	Short term feeding of industrial hemp with a high cannabidiolic acid (CBDA) content increases lying behavior and reduces biomarkers of stress and inflammation in Holstein steers.. *Scientific Reports*, **2022**, 12, 3683	4.9	1
8	Mechanisms of toxicity and residue considerations of rodenticide exposure in food Animals-a FARAD perspective.. *Journal of the American Veterinary Medical Association*, **2022**, 1-10	1	0
7	Update on withdrawal intervals following extralabel use of procaine penicillin G in cattle and swine. *Journal of the American Veterinary Medical Association*, **2022**, 1-6	1	0
6	Clinical pharmacokinetics and outcomes of oral fluconazole therapy in dogs and cats with naturally occurring fungal disease. *Journal of Veterinary Pharmacology and Therapeutics*, **2020**, 43, 547-556	1.4	0
5	Residue depletion profiles and withdrawal interval estimations of meloxicam in eggs and ovarian follicles following intravenous (Meloxicam solution for injection) and oral (Meloxidyl) administration in domestic chickens (Gallus domesticus).. *Regulatory Toxicology and Pharmacology*, **2022**, 105170	3.4	0
4	Development of a physiologically based pharmacokinetic model to predict irinotecan disposition during inflammation.. *Chemico-Biological Interactions*, **2022**, 360, 109946	5	0
3	Introduction to classical pharmacokinetics **2020**, 27-56		
2	Metabolism and physiologically based pharmacokinetic models **2020**, 161-173		
1	Advance in physiologically based pharmacokinetic modelling: from the organ level to suborgan level based on experimental data. *Journal of Physiology*, **2017**, 595, 7265-7266	3.9	