Zhoumeng Lin

List of Publications by Year
in descending order

94 papers	2,664 citations	172207 29 h-index	205818 48 g-index
95 all docs	95 docs citations	95 times ranked	3085 citing authors

#	Article	IF	Citations
1	Pharmacokinetics of metallic nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 189-217.	3.3	178
2	Serum Vitamin D Levels and Polycystic Ovary syndrome: A Systematic Review and Meta-Analysis. Nutrients, 2015, 7, 4555-4577.	1.7	160
3	Meta-Analysis of Nanoparticle Delivery to Tumors Using a Physiologically Based Pharmacokinetic Modeling and Simulation Approach. ACS Nano, 2020, 14, 3075-3095.	7.3	157
4	A computational framework for interspecies pharmacokinetics, exposure and toxicity assessment of gold nanoparticles. Nanomedicine, 2016, 11, 107-119.	1.7	91
5	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.	1.6	80
6	Mathematical modeling and simulation in animal health â€" Part <scp>II</scp>: 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, 421-438.	0.6	78
7	Short-term atrazine exposure causes behavioral deficits and disrupts monoaminergic systems in male C57BL/6 mice. Neurotoxicology and Teratology, 2013, 39, 26-35.	1.2	74
8	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, 170-181.	1.1	72
9	Effects of DDIT4 in Methamphetamine-Induced Autophagy and Apoptosis in Dopaminergic Neurons. Molecular Neurobiology, 2017, 54, 1642-1660.	1.9	68
10	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.	1.4	66
11	Toll-Like Receptor 4 Mediates Methamphetamine-Induced Neuroinflammation through Caspase-11 Signaling Pathway in Astrocytes. Frontiers in Molecular Neuroscience, 2017, 10, 409.	1.4	64
12	A physiologically based pharmacokinetic model for polyethylene glycol-coated gold nanoparticles of different sizes in adult mice. Nanotoxicology, 2016, 10, 1-11.	1.6	59
13	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, 140-158.	1.3	57
14	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.	1.0	55
15	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.	1.8	54
16	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.	1.4	52
17	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.	1.4	51
18	Caspase-11 Plays an Essential Role in Methamphetamine-Induced Dopaminergic Neuron Apoptosis. Toxicological Sciences, 2015, 145, 68-79.	1.4	50

#	ARTICLE	IF	CITATIONS
19	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.	4.8	50
20	Insulin-like growth factor binding protein 5 (IGFBP5) mediates methamphetamine-induced dopaminergic neuron apoptosis. Toxicology Letters, 2014, 230, 444-453.	0.4	49
21	Development and Application of a Multiroute Physiologically Based Pharmacokinetic Model for Oxytetracycline in Dogs and Humans. Journal of Pharmaceutical Sciences, 2015, 104, 233-243.	1.6	48
22	Nupr1/Chop signal axis is involved in mitochondrion-related endothelial cell apoptosis induced by methamphetamine. Cell Death and Disease, 2016, 7, e2161-e2161.	2.7	47
23	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.	1.3	47
24	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.	4.8	39
25	Predicting Nanoparticle Delivery to Tumors Using Machine Learning and Artificial Intelligence Approaches. International Journal of Nanomedicine, 2022, Volume 17, 1365-1379.	3.3	39
26	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.	1.3	38
27	Role of PUMA in methamphetamine-induced neuronal apoptosis. Toxicology Letters, 2016, 240, 149-160.	0.4	37
28	Probabilistic Physiologically Based Pharmacokinetic Model for Penicillin G in Milk From Dairy Cows Following Intramammary or Intramuscular Administrations. Toxicological Sciences, 2018, 164, 85-100.	1.4	32
29	Methamphetamine exposure triggers apoptosis and autophagy in neuronal cells by activating the C/EBPβ-related signaling pathway. FASEB Journal, 2018, 32, 6737-6759.	0.2	32
30	Plasma concentrations of eleven cannabinoids in cattle following oral administration of industrial hemp (Cannabis sativa). Scientific Reports, 2020, 10, 12753.	1.6	32
31	CDK5-mediated tau accumulation triggers methamphetamine-induced neuronal apoptosis via endoplasmic reticulum-associated degradation pathway. Toxicology Letters, 2018, 292, 97-107.	0.4	31
32	Effect of temperature on plasma and tissue kinetics of doxycycline in grass carp (Ctenopharyngodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	29
33	Short-term oral atrazine exposure alters the plasma metabolome of male C57BL/6 mice and disrupts α-linolenate, tryptophan, tyrosine and other major metabolic pathways. Toxicology, 2014, 326, 130-141.	2.0	28
34	Human Food Safety Implications of Variation in Food Animal Drug Metabolism. Scientific Reports, 2016, 6, 27907.	1.6	28
35	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.	2.4	28
36	A Framework for Meta-Analysis of Veterinary Drug Pharmacokinetic Data Using Mixed Effect Modeling. Journal of Pharmaceutical Sciences, 2015, 104, 1230-1239.	1.6	27

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37	Probabilistic risk assessment of gold nanoparticles after intravenous administration by integrating <i>in vitro</i> and <i>in vivo</i> toxicity with physiologically based pharmacokinetic modeling. Nanotoxicology, 2018, 12, 453-469.	1.6	26
38	Consequences of fipronil exposure in egg-laying hens. Journal of the American Veterinary Medical Association, 2018, 253, 57-60.	0.2	26
39	Pharmacokinetics and Pharmacodynamics of Tildipirosin Against Pasteurella multocida in a Murine Lung Infection Model. Frontiers in Microbiology, 2018, 9, 1038.	1.5	25
40	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.	1.8	23
41	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.	2.8	23
42	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.	0.6	22
43	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.	2.0	21
44	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.	1.8	20
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.	1.8	20
46	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.	6.5	20
47	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.	1.9	19
48	Integration of Toxicogenomics and Physiologically Based Pharmacokinetic Modeling in Human Health Risk Assessment of Perfluorooctane Sulfonate. Environmental Science & Technology, 2022, 56, 3623-3633.	4.6	19
49	Development of a multi-route physiologically based pharmacokinetic (PBPK) model for nanomaterials: a comparison between a traditional versus a new route-specific approach using gold nanoparticles in rats. Particle and Fibre Toxicology, 2022, 19, .	2.8	15
50	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.	0.7	14
51	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.	2.4	14
52	Pharmacokinetic Parameters and Estimated Milk Withdrawal Intervals for Domestic Goats (Capra Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Flunixin Meglumine. Frontiers in Veterinary Science, 2020, 7, 213.	0.9	13
53	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.	0.6	13
54	Extralabel drug use in small ruminants. Journal of the American Veterinary Medical Association, 2018, 253, 1001-1009.	0.2	12

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55	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.	0.6	12
56	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.	0.6	11
57	Determination of Pharmacokinetic and Pharmacokinetic-Pharmacodynamic Parameters of Doxycycline against Edwardsiella ictaluri in Yellow Catfish (Pelteobagrus fulvidraco). Antibiotics, 2021, 10, 329.	1.5	11
58	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.	1.6	11
59	Analgesic Comparison of Flunixin Meglumine or Meloxicam for Soft-Tissue Surgery in Sheep: A Pilot Study. Animals, 2021, 11, 423.	1.0	10
60	Methamphetamine produces cardiac damage and apoptosis by decreasing melusin. Toxicology and Applied Pharmacology, 2019, 378, 114543.	1.3	9
61	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, 1-16.	1.1	8
62	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.	2.4	8
63	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.	1.4	8
64	Experimental challenges regarding the in vitro investigation of the nanoparticle-biocorona in disease states. Toxicology in Vitro, 2018, 51, 40-49.	1.1	7
65	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.	1.3	7
66	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.	0.2	7
67	Zn-based physiometacomposite nanoparticles: distribution, tolerance, imaging, and antiviral and anticancer activity. Nanomedicine, 2021, 16, 1857-1872.	1.7	6
68	Comparative Pharmacokinetics of Sulfadiazine and Its Metabolite N4-Acetyl Sulfadiazine in Grass Carp (Ctenopharyngodon idella) at Different Temperatures after Oral Administration. Pharmaceutics, 2022, 14, 712.	2.0	6
69	Bioavailability of suppository acetaminophen in healthy and hospitalized ill dogs. Journal of Veterinary Pharmacology and Therapeutics, 2018, 41, 652-658.	0.6	5
70	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.	0.6	5
71	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.	0.5	5
72	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.	0.6	5

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73	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.	0.7	5
74	Comparative Pharmacokinetics and Tissue Concentrations of Flunixin Meglumine and Meloxicam in Tilapia (Oreochromis spp.). Fishes, 2021, 6, 68.	0.7	5
75	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.	0.9	5
76	An Interactive Generic Physiologically Based Pharmacokinetic (igPBPK) Modeling Platform to Predict Drug Withdrawal Intervals in Cattle and Swine: A Case Study on Flunixin, Florfenicol, and Penicillin G. Toxicological Sciences, 2022, 188, 180-197.	1.4	5
77	Withdrawal Interval Estimation of Doxycycline in Yellow Catfish (Pelteobagrus fulvidraco) Using an LC-MS/MS Method Based upon QuEChERS Sampling Preparation. Foods, 2021, 10, 2554.	1.9	4
78	Comparative <i>In Vitro</i> 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.	0.6	3
79	Extralabel drug use in wildlife and game animals. Journal of the American Veterinary Medical Association, 2019, 255, 555-568.	0.2	3
80	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.	0.2	3
81	A history and recent efforts of selected physiologically based pharmacokinetic modeling topics. , 2020, , 1-26.		3
82	Mechanisms of toxicity and residue considerations of rodenticide exposure in food Animals—a FARAD perspective. Journal of the American Veterinary Medical Association, 2022, 260, 514-523.	0.2	3
83	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, 132, 105170.	1.3	3
84	Physiologically based pharmacokinetic model calibration, evaluation, and performance assessment. , 2020, , 243-279.		2
85	Development of a physiologically based pharmacokinetic model to predict irinotecan disposition during inflammation. Chemico-Biological Interactions, 2022, 360, 109946.	1.7	2
86	Nonsense mutations in <scp><i>KRT1</i></scp> caused recessive epidermolytic palmoplantar keratoderma with knuckle pads. Journal of the European Academy of Dermatology and Venereology, 2022, 36, 1857-1862.	1.3	2
87	Fundamentals of physiologically based pharmacokinetic modeling. , 2020, , 57-80.		1
88	Early sex differences in hepatic metabolic signaling in offspring of obese female mice (1033.11). FASEB Journal, 2014, 28, 1033.11.	0.2	1
89	Update on withdrawal intervals following extralabel use of procaine penicillin G in cattle and swine. Journal of the American Veterinary Medical Association, 2022, 260, 50-55.	0.2	1
90	Advance in physiologically based pharmacokinetic modelling: from the organ level to suborgan level based on experimental data. Journal of Physiology, 2017, 595, 7265-7266.	1.3	0

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91	Introduction to classical pharmacokinetics. , 2020, , 27-56.		0
92	Metabolism and physiologically based pharmacokinetic models. , 2020, , 161-173.		0
93	In Vitro and In Vivo Toxicity and Pharmacokinetics of Silver Nanoparticles. , 2015, , 1-14.		0
94	In Vitro and In Vivo Toxicity and Pharmacokinetics of Silver Nanoparticles. , 2016, , 1554-1567.		0