

Melvin E Andersen

List of Publications by Year in descending order

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495
papers

26,854
citations

5558

82
h-index

11581

135
g-index

538
all docs

538
docs citations

538
times ranked

17005
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. Archives of Toxicology, 2013, 87, 1315-1530.	1.9	1,089
2	Toxicity Testing in the 21st Century: A Vision and a Strategy. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2010, 13, 51-138.	2.9	724
3	A physiologically based description of the inhalation pharmacokinetics of styrene in rats and humans. Toxicology and Applied Pharmacology, 1984, 73, 159-175.	1.3	659
4	Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. Toxicology and Applied Pharmacology, 1987, 87, 185-205.	1.3	589
5	Partition coefficients of low-molecular-weight volatile chemicals in various liquids and tissues. Toxicology and Applied Pharmacology, 1989, 98, 87-99.	1.3	489
6	Reactive Oxygen Species as a Signal in Glucose-Stimulated Insulin Secretion. Diabetes, 2007, 56, 1783-1791.	0.3	469
7	Inhaled carbon nanotubes reach the subpleural tissue in mice. Nature Nanotechnology, 2009, 4, 747-751.	15.6	411
8	Integration of Dosimetry, Exposure, and High-Throughput Screening Data in Chemical Toxicity Assessment. Toxicological Sciences, 2012, 125, 157-174.	1.4	336
9	Human exposure and internal dose assessments of acrylamide in food. Food and Chemical Toxicology, 2005, 43, 365-410.	1.8	332
10	Organotypic liver culture models: Meeting current challenges in toxicity testing. Critical Reviews in Toxicology, 2012, 42, 501-548.	1.9	293
11	ROS signaling, oxidative stress and Nrf2 in pancreatic beta-cell function. Toxicology and Applied Pharmacology, 2010, 244, 77-83.	1.3	291
12	Toxicity Testing in the 21st Century: Bringing the Vision to Life. Toxicological Sciences, 2009, 107, 324-330.	1.4	280
13	Incorporating New Technologies Into Toxicity Testing and Risk Assessment: Moving From 21st Century Vision to a Data-Driven Framework. Toxicological Sciences, 2013, 136, 4-18.	1.4	230
14	Incorporating Human Dosimetry and Exposure into High-Throughput <i>In Vitro</i> Toxicity Screening. Toxicological Sciences, 2010, 117, 348-358.	1.4	222
15	Toxicity testing in the 21st century: progress in the past decade and future perspectives. Archives of Toxicology, 2020, 94, 1-58.	1.9	209
16	A systems biology perspective on Nrf2-mediated antioxidant response. Toxicology and Applied Pharmacology, 2010, 244, 84-97.	1.3	197
17	A physiologically based simulation approach for determining metabolic constants from gas uptake data. Toxicology and Applied Pharmacology, 1986, 86, 341-352.	1.3	191
18	Quantitative <i>in vitro</i> to <i>in vivo</i> extrapolation of cell-based toxicity assay results. Critical Reviews in Toxicology, 2012, 42, 633-652.	1.9	190

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19	Incorporating High-Throughput Exposure Predictions With Dosimetry-Adjusted <i>In Vitro</i> Bioactivity to Inform Chemical Toxicity Testing. <i>Toxicological Sciences</i> , 2015, 148, 121-136.	1.4	190
20	A physiologically based toxicokinetic model for the uptake and disposition of waterborne organic chemicals in fish. <i>Toxicology and Applied Pharmacology</i> , 1990, 106, 433-447.	1.3	189
21	Development of a physiologically based pharmacokinetic model for chloroform. <i>Toxicology and Applied Pharmacology</i> , 1990, 103, 512-527.	1.3	178
22	Toxicity Testing in the 21st Century: Defining New Risk Assessment Approaches Based on Perturbation of Intracellular Toxicity Pathways. <i>PLoS ONE</i> , 2011, 6, e20887.	1.1	175
23	A Method to Integrate Benchmark Dose Estimates with Genomic Data to Assess the Functional Effects of Chemical Exposure. <i>Toxicological Sciences</i> , 2007, 98, 240-248.	1.4	174
24	Pharmacokinetic modeling of saturable, renal resorption of perfluoroalkylacids in monkeys—Probing the determinants of long plasma half-lives. <i>Toxicology</i> , 2006, 227, 156-164.	2.0	171
25	The acute toxicity of perfluorooctanoic and perfluorodecanoic acids in male rats and effects on tissue fatty acids. <i>Toxicology and Applied Pharmacology</i> , 1983, 70, 362-372.	1.3	170
26	Metabolism of inhaled dihalomethanes in vivo: Differentiation of kinetic constants for two independent pathways. <i>Toxicology and Applied Pharmacology</i> , 1986, 82, 211-223.	1.3	168
27	Ultrasensitive response motifs: basic amplifiers in molecular signalling networks. <i>Open Biology</i> , 2013, 3, 130031.	1.5	165
28	Dose-dependent transitions in mechanisms of toxicity: case studies. <i>Toxicology and Applied Pharmacology</i> , 2004, 201, 226-294.	1.3	164
29	Temporal Concordance Between Apical and Transcriptional Points of Departure for Chemical Risk Assessment. <i>Toxicological Sciences</i> , 2013, 134, 180-194.	1.4	164
30	Associations of Perfluoroalkyl Substances (PFAS) with Lower Birth Weight: An Evaluation of Potential Confounding by Glomerular Filtration Rate Using a Physiologically Based Pharmacokinetic Model (PBPK). <i>Environmental Health Perspectives</i> , 2015, 123, 1317-1324.	2.8	164
31	Dose-dependent transitions in mechanisms of toxicity. <i>Toxicology and Applied Pharmacology</i> , 2004, 201, 203-225.	1.3	162
32	Toxicokinetic modeling and its applications in chemical risk assessment. <i>Toxicology Letters</i> , 2003, 138, 9-27.	0.4	156
33	Quantitative Interpretation of Human Biomonitoring Data. <i>Toxicology and Applied Pharmacology</i> , 2008, 231, 122-133.	1.3	143
34	Risk Assessment Extrapolations and Physiological Modeling. <i>Toxicology and Industrial Health</i> , 1985, 1, 111-134.	0.6	142
35	Modeling Receptor-Mediated Processes with Dioxin: Implications for Pharmacokinetics and Risk Assessment. <i>Risk Analysis</i> , 1993, 13, 25-36.	1.5	142
36	An overview of chemical inhibitors of the Nrf2-ARE signaling pathway and their potential applications in cancer therapy. <i>Free Radical Biology and Medicine</i> , 2016, 99, 544-556.	1.3	142

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37	Adipose Deficiency of <i>Nrf2</i> in <i>ob/ob</i> Mice Results in Severe Metabolic Syndrome. <i>Diabetes</i> , 2013, 62, 845-854.	0.3	141
38	A physiologically based toxicokinetic description of the metabolism of inhaled gases and vapors: Analysis at steady state*1. <i>Toxicology and Applied Pharmacology</i> , 1981, 60, 509-526.	1.3	138
39	Physiologically based pharmacokinetic modeling with dichloromethane, its metabolite, carbon monoxide, and blood carboxyhemoglobin in rats and humans. <i>Toxicology and Applied Pharmacology</i> , 1991, 108, 14-27.	1.3	133
40	A Comprehensive Statistical Analysis of Predicting In Vivo Hazard Using High-Throughput In Vitro Screening. <i>Toxicological Sciences</i> , 2012, 128, 398-417.	1.4	133
41	Estimating the risk of liver cancer associated with human exposures to chloroform using physiologically based pharmacokinetic modeling. <i>Toxicology and Applied Pharmacology</i> , 1990, 105, 443-459.	1.3	131
42	GlutathioneS-Transferase-Mediated Mutagenicity of Trihalomethanes in <i>Salmonella typhimurium</i> : Contrasting Results with Bromodichloromethane and Chloroform. <i>Toxicology and Applied Pharmacology</i> , 1997, 144, 183-188.	1.3	126
43	Physiologically based pharmacokinetic modeling of the pregnant rat: A multiroute exposure model for trichloroethylene and its metabolite, trichloroacetic acid. <i>Toxicology and Applied Pharmacology</i> , 1989, 99, 395-414.	1.3	123
44	Characterizing Uncertainty and Variability in Physiologically Based Pharmacokinetic Models: State of the Science and Needs for Research and Implementation. <i>Toxicological Sciences</i> , 2007, 99, 395-402.	1.4	122
45	Low-Level Arsenic Impairs Glucose-Stimulated Insulin Secretion in Pancreatic Beta Cells: Involvement of Cellular Adaptive Response to Oxidative Stress. <i>Environmental Health Perspectives</i> , 2010, 118, 864-870.	2.8	122
46	Determination of the kinetic constants for metabolism of inhaled toxicants in vivo using gas uptake measurements. <i>Toxicology and Applied Pharmacology</i> , 1980, 54, 100-116.	1.3	119
47	Nuclear factor erythroid-derived factor 2-related factor 2 regulates transcription of CCAAT/enhancer-binding protein β during adipogenesis. <i>Free Radical Biology and Medicine</i> , 2012, 52, 462-472.	1.3	119
48	Pharmacokinetic data needs to support risk assessments for inhaled and ingested manganese. <i>NeuroToxicology</i> , 1999, 20, 161-71.	1.4	119
49	Toxicity Testing in the 21st Century: Implications for Human Health Risk Assessment. <i>Risk Analysis</i> , 2009, 29, 474-479.	1.5	117
50	Dermal absorption of organic chemical vapors in rats and humans*1. <i>Fundamental and Applied Toxicology</i> , 1990, 14, 299-308.	1.9	116
51	A deterministic map of Waddington's epigenetic landscape for cell fate specification. <i>BMC Systems Biology</i> , 2011, 5, 85.	3.0	116
52	Application of Transcriptional Benchmark Dose Values in Quantitative Cancer and Noncancer Risk Assessment. <i>Toxicological Sciences</i> , 2011, 120, 194-205.	1.4	116
53	Development of Pbpk Models for Pfoa and Pfos for Human Pregnancy and Lactation Life Stages. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 25-57.	1.1	116
54	Formaldehyde: Integrating Dosimetry, Cytotoxicity, and Genomics to Understand Dose-Dependent Transitions for an Endogenous Compound. <i>Toxicological Sciences</i> , 2010, 118, 716-731.	1.4	114

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55	Implementing Toxicity Testing in the 21st Century (TT21C): Making safety decisions using toxicity pathways, and progress in a prototype risk assessment. <i>Toxicology</i> , 2015, 332, 102-111.	2.0	114
56	Linear low-dose extrapolation for noncancer health effects is the exception, not the rule. <i>Critical Reviews in Toxicology</i> , 2011, 41, 1-19.	1.9	108
57	Comparison of cancer risk estimates for vinyl chloride using animal and human data with a PBPK model. <i>Science of the Total Environment</i> , 2001, 274, 37-66.	3.9	106
58	Quantitative evaluation of the metabolic interactions between trichloroethylene and 1,1-dichloroethylene in vivo using gas uptake methods. <i>Toxicology and Applied Pharmacology</i> , 1987, 89, 149-157.	1.3	104
59	A physiological pharmacokinetic description of the tissue distribution and enzyme-inducing properties of 2,3,7,8-tetrachlorodibenzo-p-dioxin in the rat. <i>Toxicology and Applied Pharmacology</i> , 1990, 103, 399-410.	1.3	104
60	Relative Impact of Incorporating Pharmacokinetics on Predicting In Vivo Hazard and Mode of Action from High-Throughput In Vitro Toxicity Assays. <i>Toxicological Sciences</i> , 2013, 132, 327-346.	1.4	104
61	The Dissociation of the First Oxygen Molecule from Some Mammalian Oxyhemoglobins. <i>Journal of Biological Chemistry</i> , 1971, 246, 5919-5923.	1.6	103
62	Physiologically based pharmacokinetic and pharmacodynamic model for the inhibition of acetylcholinesterase by diisopropylfluorophosphate. <i>Toxicology and Applied Pharmacology</i> , 1990, 106, 295-310.	1.3	101
63	Physiologically Based Pharmacokinetic Modeling of Fetal and Neonatal Manganese Exposure in Humans: Describing Manganese Homeostasis during Development. <i>Toxicological Sciences</i> , 2011, 122, 297-316.	1.4	99
64	Evaluation and prediction of pharmacokinetics of PFOA and PFOS in the monkey and human using a PBPK model. <i>Regulatory Toxicology and Pharmacology</i> , 2011, 59, 157-175.	1.3	99
65	A Framework for the Next Generation of Risk Science. <i>Environmental Health Perspectives</i> , 2014, 122, 796-805.	2.8	97
66	Regional Hepatic CYP1A1 and CYP1A2 Induction with 2,3,7,8-Tetrachlorodibenzo-p-dioxin Evaluated with a Multicompartment Geometric Model of Hepatic Zonation. <i>Toxicology and Applied Pharmacology</i> , 1997, 144, 145-155.	1.3	96
67	Use of physiologically based pharmacokinetic modeling to investigate individual versus population risk. <i>Toxicology</i> , 1996, 111, 315-329.	2.0	95
68	A physiologically based pharmacokinetic model for inhaled carbon tetrachloride. <i>Toxicology and Applied Pharmacology</i> , 1988, 96, 191-211.	1.3	94
69	New Directions in Toxicity Testing. <i>Annual Review of Public Health</i> , 2011, 32, 161-178.	7.6	93
70	In vitro to in vivo extrapolation and species response comparisons for drug-induced liver injury (DILI) using DILISym [®] : a mechanistic, mathematical model of DILI. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2012, 39, 527-541.	0.8	92
71	A physiological pharmacokinetic model for dermal absorption of vapors in the rat*1. <i>Toxicology and Applied Pharmacology</i> , 1986, 85, 286-294.	1.3	91
72	A physiologically based pharmacokinetic model for 2,3,7,8-tetrachlorodibenzo-p-dioxin in C57BL/6J and DBA/2J mice. <i>Toxicology Letters</i> , 1988, 42, 15-28.	0.4	89

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73	Incorporation of in vitro enzyme data into the physiologically-based pharmacokinetic (PB-PK) model for methylene chloride: implications for risk assessment. <i>Toxicology Letters</i> , 1988, 43, 97-116.	0.4	89
74	A map of the PPAR α transcription regulatory network for primary human hepatocytes. <i>Chemico-Biological Interactions</i> , 2014, 209, 14-24.	1.7	89
75	The Vision of Toxicity Testing in the 21st Century: Moving from Discussion to Action. <i>Toxicological Sciences</i> , 2010, 117, 17-24.	1.4	88
76	A physiologically based pharmacokinetic and pharmacodynamic model to describe the oral dosing of rats with ethyl acrylate and its implications for risk assessment. <i>Toxicology and Applied Pharmacology</i> , 1992, 114, 246-260.	1.3	87
77	In Vitro Human Tissue Models in Risk Assessment: Report of a Consensus-Building Workshop. <i>Toxicological Sciences</i> , 2001, 59, 17-36.	1.4	87
78	A consistent approach for the application of pharmacokinetic modeling in cancer and noncancer risk assessment.. <i>Environmental Health Perspectives</i> , 2002, 110, 85-93.	2.8	87
79	Dose Response Relationship in Anti-Stress Gene Regulatory Networks. <i>PLoS Computational Biology</i> , 2007, 3, e24.	1.5	87
80	Considering pharmacokinetic and mechanistic information in cancer risk assessments for environmental contaminants: Examples with vinyl chloride and trichloroethylene. <i>Chemosphere</i> , 1995, 31, 2561-2578.	4.2	86
81	Sensitivity Analysis of a Physiological Model for 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD): Assessing the Impact of Specific Model Parameters on Sequestration in Liver and Fat in the Rat. <i>Toxicological Sciences</i> , 2000, 54, 71-80.	1.4	86
82	Prolonged inorganic arsenite exposure suppresses insulin-stimulated AKT S473 phosphorylation and glucose uptake in 3T3-L1 adipocytes: Involvement of the adaptive antioxidant response. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 360-365.	1.0	86
83	Genomic Signatures and Dose-Dependent Transitions in Nasal Epithelial Responses to Inhaled Formaldehyde in the Rat. <i>Toxicological Sciences</i> , 2008, 105, 368-383.	1.4	84
84	Integrating pathway-based transcriptomic data into quantitative chemical risk assessment: A five chemical case study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 746, 135-143.	0.9	84
85	Modeling the tissue solubilities and metabolic rate constant (V_{max}) of halogenated methanes, ethanes, and ethylenes. <i>Toxicology Letters</i> , 1988, 43, 235-256.	0.4	82
86	Physiologically based pharmacokinetic modeling of the lactating rat and nursing pup: A multiroute exposure model for trichloroethylene and its metabolite, trichloroacetic acid. <i>Toxicology and Applied Pharmacology</i> , 1990, 102, 497-513.	1.3	82
87	Physiologically based pharmacokinetic modeling with trichloroethylene and its metabolite, trichloroacetic acid, in the rat and mouse. <i>Toxicology and Applied Pharmacology</i> , 1991, 109, 183-195.	1.3	82
88	Adverse Outcome Pathways can drive non-animal approaches for safety assessment. <i>Journal of Applied Toxicology</i> , 2015, 35, 971-975.	1.4	82
89	Saturable Metabolism and its Relationship to Toxicity. <i>CRC Critical Reviews in Toxicology</i> , 1981, 9, 105-150.	4.9	81
90	Biologically Based Pharmacodynamic Models: Tools for Toxicological Research and Risk Assessment. <i>Annual Review of Pharmacology and Toxicology</i> , 1991, 31, 503-523.	4.2	79

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91	Development of physiologically based pharmacokinetic and physiologically based pharmacodynamic models for applications in toxicology and risk assessment. <i>Toxicology Letters</i> , 1995, 79, 35-44.	0.4	79
92	Toxic effects of nonadecafluoro-n-decanoic acid in rats. <i>Toxicology and Applied Pharmacology</i> , 1986, 85, 169-180.	1.3	77
93	Development of a physiologically based pharmacokinetic model for risk assessment with 1,4-dioxane. <i>Toxicology and Applied Pharmacology</i> , 1990, 105, 37-54.	1.3	77
94	A biologically based risk assessment for vinyl acetate-induced cancer and noncancer inhalation toxicity. <i>Toxicological Sciences</i> , 1999, 51, 19-35.	1.4	77
95	A physiologically based pharmacokinetic model for nicotine disposition in the Sprague-Dawley rat. <i>Toxicology and Applied Pharmacology</i> , 1992, 116, 177-188.	1.3	76
96	Dose-dependent transitions in Nrf2-mediated adaptive response and related stress responses to hypochlorous acid in mouse macrophages. <i>Toxicology and Applied Pharmacology</i> , 2009, 238, 27-36.	1.3	76
97	Evaluating Placental Transfer and Tissue Concentrations of Manganese in the Pregnant Rat and Fetuses after Inhalation Exposures with a PBPK Model. <i>Toxicological Sciences</i> , 2009, 112, 44-58.	1.4	76
98	Long Isoforms of NRF1 Contribute to Arsenic-Induced Antioxidant Response in Human Keratinocytes. <i>Environmental Health Perspectives</i> , 2011, 119, 56-62.	2.8	76
99	Pathways of Toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 53-61.	0.9	75
100	Pharmacokinetics of tetrachloroethylene*1. <i>Toxicology and Applied Pharmacology</i> , 1988, 93, 108-117.	1.3	74
101	The Next Generation of Risk Assessment Multi-Year Study—Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , 2016, 124, 1671-1682.	2.8	74
102	In vivo metabolic interactions of benzene and toluene. <i>Toxicology Letters</i> , 1990, 52, 141-152.	0.4	73
103	PHYSIOLOGICALLY BASED PHARMACOKINETIC MODELING OF STYRENE AND STYRENE OXIDE RESPIRATORY-TRACT DOSIMETRY IN RODENTS AND HUMANS. <i>Inhalation Toxicology</i> , 2002, 14, 789-834.	0.8	73
104	In vitro metabolism of di(2-ethylhexyl) phthalate (DEHP) by various tissues and cytochrome P450s of human and rat. <i>Toxicology in Vitro</i> , 2012, 26, 315-322.	1.1	73
105	Predicting Cancer Risk from Vinyl Chloride Exposure with a Physiologically Based Pharmacokinetic Model. <i>Toxicology and Applied Pharmacology</i> , 1996, 137, 253-267.	1.3	72
106	Development of a Physiologically Based Pharmacokinetic Model of Isopropanol and Its Metabolite Acetone. <i>Toxicological Sciences</i> , 2001, 63, 160-172.	1.4	72
107	Quantitative analyses and transcriptomic profiling of circulating messenger RNAs as biomarkers of rat liver injury. <i>Hepatology</i> , 2010, 51, 2127-2139.	3.6	72
108	Activation of Nrf2-mediated oxidative stress response in macrophages by hypochlorous acid. <i>Toxicology and Applied Pharmacology</i> , 2008, 226, 236-243.	1.3	70

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109	An Analysis of N-Acetylcysteine Treatment for Acetaminophen Overdose Using a Systems Model of Drug-Induced Liver Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 342, 529-540.	1.3	70
110	Evidence That Atrazine and Diaminochlorotriazine Inhibit the Estrogen/Progesterone Induced Surge of Luteinizing Hormone in Female Sprague-Dawley Rats Without Changing Estrogen Receptor Action. <i>Toxicological Sciences</i> , 2004, 79, 278-286.	1.4	68
111	Genetic variability in a frozen batch of MCF-7 cells invisible in routine authentication affecting cell function. <i>Scientific Reports</i> , 2016, 6, 28994.	1.6	67
112	PHYSIOLOGICAL MODELLING OF ORGANIC COMPOUNDS. <i>Annals of Occupational Hygiene</i> , 1991, 35, 309-21.	1.9	66
113	A Physiologically Based Pharmacokinetic Model for 2,3,7,8-Tetrabromodibenzo-p-dioxin (TBDD) in the Rat: Tissue Distribution and CYP1A Induction. <i>Toxicology and Applied Pharmacology</i> , 1993, 121, 87-98.	1.3	66
114	Applying Simulation Modeling to Problems in Toxicology and Risk Assessment: A Short Perspective. <i>Toxicology and Applied Pharmacology</i> , 1995, 133, 181-187.	1.3	66
115	The use of Markov chain Monte Carlo uncertainty analysis to support a Public Health Goal for perchloroethylene. <i>Regulatory Toxicology and Pharmacology</i> , 2007, 47, 1-18.	1.3	66
116	Co-culture of Hepatocytes and Kupffer Cells as an In Vitro Model of Inflammation and Drug-Induced Hepatotoxicity. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 950-964.	1.6	66
117	Non-monotonic dose-response relationship in steroid hormone receptor-mediated gene expression. <i>Journal of Molecular Endocrinology</i> , 2007, 38, 569-585.	1.1	65
118	Comparison and evaluation of pharmacokinetics of PFOA and PFOS in the adult rat using a physiologically based pharmacokinetic model. <i>Reproductive Toxicology</i> , 2012, 33, 452-467.	1.3	65
119	Tissue Exposures to Free and Glucuronidated Monobutylphthalate in the Pregnant and Fetal Rat following Exposure to Di-n-butylphthalate: Evaluation with a PBPK Model. <i>Toxicological Sciences</i> , 2008, 103, 241-259.	1.4	64
120	The dissociation of the first oxygen molecule from some mammalian oxyhemoglobins. <i>Journal of Biological Chemistry</i> , 1971, 246, 5919-23.	1.6	64
121	Inhalation pharmacokinetics: Evaluating systemic extraction, total in vivo metabolism, and the time course of enzyme induction for inhaled styrene in rats based on arterial blood:Inhaled air concentration ratios. <i>Toxicology and Applied Pharmacology</i> , 1984, 73, 176-187.	1.3	63
122	Gas Uptake Inhalation Techniques and the Rates of Metabolism of Chloromethanes, Chloroethanes, and Chloroethylenes in the Rat. <i>Inhalation Toxicology</i> , 1990, 2, 295-319.	0.8	63
123	Negative selection in hepatic tumor promotion in relation to cancer risk assessment. <i>Toxicology</i> , 1995, 102, 223-237.	2.0	63
124	Modeling of Human Dermal Absorption of Octamethylcyclotetrasiloxane (D4) and Decamethylcyclopentasiloxane (D5). <i>Toxicological Sciences</i> , 2007, 99, 422-431.	1.4	63
125	Physiologically Based Modeling of Vinyl Acetate Uptake, Metabolism, and Intracellular pH Changes in the Rat Nasal Cavity. <i>Toxicology and Applied Pharmacology</i> , 1997, 142, 386-400.	1.3	62
126	Time dependencies in perfluorooctylacids disposition in rat and monkeys: A kinetic analysis. <i>Toxicology Letters</i> , 2008, 177, 38-47.	0.4	62

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127	Association between Arsenic Suppression of Adipogenesis and Induction of CHOP10 via the Endoplasmic Reticulum Stress Response. <i>Environmental Health Perspectives</i> , 2013, 121, 237-243.	2.8	62
128	Molecular Signaling Network Motifs Provide a Mechanistic Basis for Cellular Threshold Responses. <i>Environmental Health Perspectives</i> , 2014, 122, 1261-1270.	2.8	62
129	A Physiologically Based Description of Ethylene Oxide Dosimetry in the Rat. <i>Toxicology and Industrial Health</i> , 1992, 8, 121-140.	0.6	61
130	Adaptive Posttranslational Control in Cellular Stress Response Pathways and Its Relationship to Toxicity Testing and Safety Assessment. <i>Toxicological Sciences</i> , 2015, 147, 302-316.	1.4	61
131	Adjusting Exposure Limits for Long and Short Exposure Periods Using A Physiological Pharmacokinetic Model. <i>AIHA Journal</i> , 1987, 48, 335-343.	0.4	60
132	Assessing the relevance of in vitro measures of phthalate inhibition of steroidogenesis for in vivo response. <i>Toxicology in Vitro</i> , 2010, 24, 327-334.	1.1	60
133	Toxicology of cyclotrimethylenetrinitramine: Distribution and metabolism in the rat and the miniature swine*1, *2. <i>Toxicology and Applied Pharmacology</i> , 1977, 39, 531-541.	1.3	59
134	A physiologically based pharmacokinetic model for retinoic acid and its metabolites. <i>Journal of the American Academy of Dermatology</i> , 1997, 36, S77-S85.	0.6	59
135	Application of a Physiologically Based Pharmacokinetic Model for Isopropanol in the Derivation of a Reference Dose and Reference Concentration. <i>Regulatory Toxicology and Pharmacology</i> , 2002, 36, 51-68.	1.3	59
136	In silico toxicology: simulating interaction thresholds for human exposure to mixtures of trichloroethylene, tetrachloroethylene, and 1,1,1-trichloroethane.. <i>Environmental Health Perspectives</i> , 2002, 110, 1031-1039.	2.8	59
137	Analysis of Manganese Tracer Kinetics and Target Tissue Dosimetry in Monkeys and Humans with Multi-Route Physiologically Based Pharmacokinetic Models. <i>Toxicological Sciences</i> , 2011, 120, 481-498.	1.4	59
138	CNC-bZIP Protein Nrf1-Dependent Regulation of Glucose-Stimulated Insulin Secretion. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 819-831.	2.5	59
139	Defining and modeling known adverse outcome pathways: Domoic acid and neuronal signaling as a case study. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 9-21.	2.2	58
140	Hepatocyte-specific Nrf2 deficiency mitigates high-fat diet-induced hepatic steatosis: Involvement of reduced PPAR α expression. <i>Redox Biology</i> , 2020, 30, 101412.	3.9	58
141	Physiological Modeling Reveals Novel Pharmacokinetic Behavior for Inhaled Octamethylcyclotetrasiloxane in Rats. <i>Toxicological Sciences</i> , 2001, 60, 214-231.	1.4	57
142	Application of pharmacokinetic data to the risk assessment of inhaled manganese. <i>NeuroToxicology</i> , 2006, 27, 752-764.	1.4	57
143	Enhancing and Extending Biological Performance and Resilience. <i>Dose-Response</i> , 2018, 16, 155932581878450.	0.7	57
144	A Multicompartment Geometric Model of the Liver in Relation to Regional Induction of Cytochrome P450s. <i>Toxicology and Applied Pharmacology</i> , 1997, 144, 135-144.	1.3	56

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145	Phase I to II cross-induction of xenobiotic metabolizing enzymes: A feedforward control mechanism for potential hormetic responses. <i>Toxicology and Applied Pharmacology</i> , 2009, 237, 345-356.	1.3	56
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