

Brad Reisfeld

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

760
citations

567144

15
h-index

526166

27
g-index

37
all docs

37
docs citations

37
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytochromes P450: A Structure-Based Summary of Biotransformations Using Representative Substrates. <i>Drug Metabolism Reviews</i> , 2008, 40, 1-100.	1.5	108
2	Additive Synergism between Asbestos and Smoking in Lung Cancer Risk: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0135798.	1.1	71
3	Computational Toxicology of Chloroform: Reverse Dosimetry Using Bayesian Inference, Markov Chain Monte Carlo Simulation, and Human Biomonitoring Data. <i>Environmental Health Perspectives</i> , 2008, 116, 1040-1046.	2.8	63
4	Applying a Global Sensitivity Analysis Workflow to Improve the Computational Efficiencies in Physiologically-Based Pharmacokinetic Modeling. <i>Frontiers in Pharmacology</i> , 2018, 9, 588.	1.6	54
5	A Physiologically Based Pharmacokinetic Model of Rifampin in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1763-1771.	1.4	39
6	Application of biologically based computer modeling to simple or complex mixtures.. <i>Environmental Health Perspectives</i> , 2002, 110, 957-963.	2.8	36
7	Chemical mixture toxicology: from descriptive to mechanistic, and going on to in silico toxicology. <i>Environmental Toxicology and Pharmacology</i> , 2004, 18, 65-81.	2.0	34
8	Biochemical Reaction Network Modeling: Predicting Metabolism of Organic Chemical Mixtures. <i>Environmental Science & Technology</i> , 2005, 39, 5363-5371.	4.6	25
9	Epigenetic Alterations May Regulate Temporary Reversal of CD4+ T Cell Activation Caused by Trichloroethylene Exposure. <i>Toxicological Sciences</i> , 2012, 127, 169-178.	1.4	25
10	Physiologically based modeling of the pharmacokinetics of acetaminophen and its major metabolites in humans using a Bayesian population approach. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2016, 41, 267-280.	0.6	23
11	Chronic exposure to water pollutant trichloroethylene increased epigenetic drift in CD4 ⁺ T cells. <i>Epigenomics</i> , 2016, 8, 633-649.	1.0	22
12	A Physiologically Based Pharmacokinetic Model for Capreomycin. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 926-934.	1.4	21
13	What is Computational Toxicology?. <i>Methods in Molecular Biology</i> , 2012, 929, 3-7.	0.4	19
14	Modeling toxicodynamic effects of trichloroethylene on liver in mouse model of autoimmune hepatitis. <i>Toxicology and Applied Pharmacology</i> , 2014, 279, 284-293.	1.3	19
15	Trichloroethylene-induced alterations in DNA methylation were enriched in polycomb protein binding sites in effector/memory CD4+ T cells. <i>Environmental Epigenetics</i> , 2017, 3, .	0.9	15
16	Predicting Activation Enthalpies of Cytochrome-P450-Mediated Hydrogen Abstractions. 2. Comparison of Semiempirical PM3, SAM1, and AM1 with a Density Functional Theory Method. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 1692-1703.	2.5	14
17	Characterizing the Effects of Race/Ethnicity on Acetaminophen Pharmacokinetics Using Physiologically Based Pharmacokinetic Modeling. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017, 42, 143-153.	0.6	14
18	A novel approach for estimating ingested dose associated with paracetamol overdose. <i>British Journal of Clinical Pharmacology</i> , 2016, 81, 634-645.	1.1	12

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19	A reaction network model for CYP2E1-mediated metabolism of toxicant mixtures. <i>Environmental Toxicology and Pharmacology</i> , 2004, 18, 173-179.	2.0	10
20	Physiologically Based Pharmacokinetic Model of Rifapentine and 25-Desacetyl Rifapentine Disposition in Humans. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4860-4868.	1.4	7
21	Well-tempered MCMC simulations for population pharmacokinetic models. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2020, 47, 543-559.	0.8	7
22	Development of a physiologically based pharmacokinetic model of paraquat. , 2017, 2017, 2732-2735.		6
23	A pharmacokinetic model of lopinavir in combination with ritonavir in human. , 2014, 2014, 5699-702.		5
24	A Novel Method for the Development of Environmental Public Health Indicators and Benchmark Dose Estimation Using a Health-Based End Point for Chlorpyrifos. <i>Environmental Health Perspectives</i> , 2018, 126, 047009.	2.8	5
25	Physiologically Based Pharmacokinetic and Pharmacodynamic Modeling. , 0, , 33-69.		4
26	pknseni: An R package to apply global sensitivity analysis in physiologically based kinetic modeling. <i>SoftwareX</i> , 2020, 12, 100609.	1.2	4
27	Rapid estimation of activation enthalpies for cytochrome P450-mediated hydroxylations. <i>Journal of Computational Chemistry</i> , 2011, 32, 639-657.	1.5	3
28	DoseSim: a tool for pharmacokinetic/pharmacodynamic analysis and dose reconstruction. <i>Bioinformatics</i> , 2013, 29, 400-401.	1.8	3
29	A Bayesian population physiologically based pharmacokinetic absorption modeling approach to support generic drug development: application to bupropion hydrochloride oral dosage forms. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2021, 48, 893-908.	0.8	3
30	Predicting the Disposition of the Antimalarial Drug Artesunate and Its Active Metabolite Dihydroartemisinin Using Physiologically Based Pharmacokinetic Modeling. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	2
31	kc-hits: a tool to aid in the evaluation and classification of chemical carcinogens. <i>Bioinformatics</i> , 2022, 38, 2961-2962.	1.8	1
32	Mathematical Modeling and Trichloroethylene. <i>Molecular and Integrative Toxicology</i> , 2014, , 209-237.	0.5	0