

Ted W Simon

List of Publications by Year in descending order

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29
papers

958
citations

430874

18
h-index

526287

27
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29
all docs

29
docs citations

29
times ranked

1289
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro to in vivo extrapolation for high throughput prioritization and decision making. <i>Toxicology in Vitro</i> , 2018, 47, 213-227.	2.4	162
2	Proposing a scientific confidence framework to help support the application of adverse outcome pathways for regulatory purposes. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 71, 463-477.	2.7	87
3	Development of a neurotoxic equivalence scheme of relative potency for assessing the risk of PCB mixtures. <i>Regulatory Toxicology and Pharmacology</i> , 2007, 48, 148-170.	2.7	74
4	Mode of action and dose-response framework analysis for receptor-mediated toxicity: The aryl hydrocarbon receptor as a case study. <i>Critical Reviews in Toxicology</i> , 2014, 44, 83-119.	3.9	69
5	The use of mode of action information in risk assessment: Quantitative key events/dose-response framework for modeling the dose-response for key events. <i>Critical Reviews in Toxicology</i> , 2014, 44, 17-43.	3.9	65
6	Utilizing Threshold of Toxicological Concern (TTC) with high throughput exposure predictions (HTE) as a risk-based prioritization approach for thousands of chemicals. <i>Computational Toxicology</i> , 2018, 7, 58-67.	3.3	53
7	An exposure:activity profiling method for interpreting high-throughput screening data for estrogenic activity—Proof of concept. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 71, 398-408.	2.7	45
8	The adverse outcome pathway for rodent liver tumor promotion by sustained activation of the aryl hydrocarbon receptor. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 172-190.	2.7	42
9	Evidence-based toxicology for the 21st century: Opportunities and challenges. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2013, 30, 74-104.	1.5	42
10	Human and Rat Primary Hepatocyte CYP1A1 and 1A2 Induction with 2,3,7,8-Tetrachlorodibenzo-p-dioxin, 2,3,7,8-Tetrachlorodibenzofuran, and 2,3,4,7,8-Pentachlorodibenzofuran. <i>Toxicological Sciences</i> , 2010, 118, 224-235.	3.1	40
11	How well can carcinogenicity be predicted by high throughput characteristics of carcinogens—mechanistic data?. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 90, 185-196.	2.7	37
12	Use and validation of HT/HC assays to support 21st century toxicity evaluations. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 65, 259-268.	2.7	35
13	Providing context for phosphatidylethanol as a biomarker of alcohol consumption with a pharmacokinetic model. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 94, 163-171.	2.7	29
14	Approaches for describing and communicating overall uncertainty in toxicity characterizations: U.S. Environmental Protection Agency's Integrated Risk Information System (IRIS) as a case study. <i>Environment International</i> , 2016, 89-90, 110-128.	10.0	27
15	Estimates of Cancer Potency of 2,3,7,8-Tetrachlorodibenzo(p)dioxin Using Linear and Nonlinear Dose-Response Modeling and Toxicokinetics. <i>Toxicological Sciences</i> , 2009, 112, 490-506.	3.1	23
16	Combining Physiologically Based Pharmacokinetic Modeling with Monte Carlo Simulation to Derive an Acute Inhalation Guidance Value for Trichloroethylene. <i>Regulatory Toxicology and Pharmacology</i> , 1997, 26, 257-270.	2.7	21
17	Bayesian methods for uncertainty factor application for derivation of reference values. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 80, 9-24.	2.7	20
18	Science peer review for the 21st century: Assessing scientific consensus for decision-making while managing conflict of interests, reviewer and process bias. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 103, 73-85.	2.7	20

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19	Development of a reference dose for the persistent congeners of weathered toxaphene based on in vivo and in vitro effects related to tumor promotion. <i>Regulatory Toxicology and Pharmacology</i> , 2006, 44, 268-281.	2.7	14
20	Mixture suppression without inhibition for binary mixtures from whole cell patch clamp studies of in situ olfactory receptor neurons of the spiny lobster. <i>Brain Research</i> , 1995, 678, 213-224.	2.2	13
21	A Model for Aryl Hydrocarbon Receptor-Activated Gene Expression Shows Potency and Efficacy Changes and Predicts Squelching Due to Competition for Transcription Co-Activators. <i>PLoS ONE</i> , 2015, 10, e0127952.	2.5	12
22	Derivation of Soil Clean-Up Levels for 2,3,7,8-Tetrachloro-dibenzo- <i>p</i> -dioxin (TCDD) Toxicity Equivalence (TEQ _{D/F}) in Soil Through Deterministic and Probabilistic Risk Assessment of Exposure and Toxicity. <i>Human and Ecological Risk Assessment (HERA)</i> , 2011, 17, 125-158.	3.4	7
23	Estimates of Cancer Potency of 2,3,4,7,8-Pentachlorodibenzofuran Using Both Nonlinear and Linear Approaches. <i>Toxicological Sciences</i> , 2008, 106, 519-537.	3.1	6
24	Just who is at risk? The ethics of environmental regulation. <i>Human and Experimental Toxicology</i> , 2011, 30, 795-819.	2.2	6
25	In Defense of Risk Assessment: A Reply to the Environmental Justice Movement's Critique. <i>Human and Ecological Risk Assessment (HERA)</i> , 2000, 6, 555-560.	3.4	4
26	Modeling a Neural Oscillator that Paces Heartbeat in the Medicinal Leech. <i>American Zoologist</i> , 1993, 33, 16-28.	0.7	3
27	Bayesian Statistics in Environmental Engineering Planning. <i>Journal of Management in Engineering - ASCE</i> , 2000, 16, 21-26.	4.8	2
28	Risk Assessment in the 21st Century. , 2017, , 31-36.		0
29	The Predictive Analytics Toolkit (PAT): User-friendly predictive analytics for advancing new approach methodologies (NAMs). <i>Computational Toxicology</i> , 2019, 12, 100107.	3.3	0