

Barbara A Wetmore

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,801
citations

257450

24
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

2034
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of Dosimetry, Exposure, and High-Throughput Screening Data in Chemical Toxicity Assessment. <i>Toxicological Sciences</i> , 2012, 125, 157-174.	3.1	336
2	Incorporating New Technologies Into Toxicity Testing and Risk Assessment: Moving From 21st Century Vision to a Data-Driven Framework. <i>Toxicological Sciences</i> , 2013, 136, 4-18.	3.1	230
3	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. <i>Toxicological Sciences</i> , 2019, 169, 317-332.	3.1	225
4	Incorporating Human Dosimetry and Exposure into High-Throughput <i>In Vitro</i> Toxicity Screening. <i>Toxicological Sciences</i> , 2010, 117, 348-358.	3.1	222
5	Invited Review: Toxicoproteomics: Proteomics Applied to Toxicology and Pathology. <i>Toxicologic Pathology</i> , 2004, 32, 619-642.	1.8	207
6	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.	3.1	190
7	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
8	Quantitative in vitro-to-in vivo extrapolation in a high-throughput environment. <i>Toxicology</i> , 2015, 332, 94-101.	4.2	127
9	An Intuitive Approach for Predicting Potential Human Health Risk with the Tox21 10k Library. <i>Environmental Science & Technology</i> , 2017, 51, 10786-10796.	10.0	120
10	Toxicokinetic Triage for Environmental Chemicals. <i>Toxicological Sciences</i> , 2015, 147, 55-67.	3.1	117
11	Relative Impact of Incorporating Pharmacokinetics on Predicting In Vivo Hazard and Mode of Action from High-Throughput <i>In Vitro</i> Toxicity Assays. <i>Toxicological Sciences</i> , 2013, 132, 327-346.	3.1	104
12	Evaluating <i>In Vitro</i> - <i>In Vivo</i> Extrapolation of Toxicokinetics. <i>Toxicological Sciences</i> , 2018, 163, 152-169.	3.1	98
13	Identifying populations sensitive to environmental chemicals by simulating toxicokinetic variability. <i>Environment International</i> , 2017, 106, 105-118.	10.0	80
14	Quantitative analyses and transcriptomic profiling of circulating messenger RNAs as biomarkers of rat liver injury. <i>Hepatology</i> , 2010, 51, 2127-2139.	7.3	72
15	Incorporating Population Variability and Susceptible Subpopulations into Dosimetry for High-Throughput Toxicity Testing. <i>Toxicological Sciences</i> , 2014, 142, 210-224.	3.1	71
16	Risk-Based High-Throughput Chemical Screening and Prioritization using Exposure Models and <i>In Vitro</i> Bioactivity Assays. <i>Environmental Science & Technology</i> , 2015, 49, 6760-6771.	10.0	63
17	New approach methodologies for exposure science. <i>Current Opinion in Toxicology</i> , 2019, 15, 76-92.	5.0	46
18	Advancing internal exposure and physiologically-based toxicokinetic modeling for 21st-century risk assessments. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 11-20.	3.9	45

#	ARTICLE	IF	CITATIONS
19	Assessing Toxicokinetic Uncertainty and Variability in Risk Prioritization. <i>Toxicological Sciences</i> , 2019, 172, 235-251.	3.1	40
20	In vitro screening for population variability in toxicity of pesticide-containing mixtures. <i>Environment International</i> , 2015, 85, 147-155.	10.0	39
21	Using the concordance of in vitro and in vivo data to evaluate extrapolation assumptions. <i>PLoS ONE</i> , 2019, 14, e0217564.	2.5	37
22	MIVE: Facilitating the Use of In Vitro Toxicity Data in Risk Assessment and Decision Making. <i>Toxics</i> , 2022, 10, 232.	3.7	35
23	Editor's Highlight: Screening ToxCast Prioritized Chemicals for PPAR γ Function in a Human Adipose-Derived Stem Cell Model of Adipogenesis. <i>Toxicological Sciences</i> , 2017, 155, 85-100.	3.1	30
24	Genotoxicity of intermittent co-exposure to benzene and toluene in male CD-1 mice. <i>Chemico-Biological Interactions</i> , 2008, 173, 166-178.	4.0	29
25	Incorporating new approach methodologies in toxicity testing and exposure assessment for tiered risk assessment using the RISK21 approach: Case studies on food contact chemicals. <i>Food and Chemical Toxicology</i> , 2019, 134, 110819.	3.6	25
26	Using chemical structure information to develop predictive models for in vitro toxicokinetic parameters to inform high-throughput risk-assessment. <i>Computational Toxicology</i> , 2020, 16, 100136.	3.3	22
27	FutureTox IV Workshop Summary: Predictive Toxicology for Healthy Children. <i>Toxicological Sciences</i> , 2021, 180, 198-211.	3.1	15
28	Quantitative Property-Property Relationship for Screening-Level Prediction of Intrinsic Clearance: A Tool for Exposure Modeling for High-Throughput Toxicity Screening Data. <i>Applied in Vitro Toxicology</i> , 2015, 1, 140-146.	1.1	9
29	Advances in computational methods along the exposure to toxicological response paradigm. <i>Toxicology and Applied Pharmacology</i> , 2022, 450, 116141.	2.8	3
30	Nuclear Receptor-Mediated Gene Expression Changes in a Human Hepatic Micropatterned Coculture Model After Treatment with Hepatotoxic Compounds. <i>Applied in Vitro Toxicology</i> , 2016, 2, 8-16.	1.1	0