

# Michelle Embry

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,758  
citations

304368

22  
h-index

276539

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2029  
citing authors

#	ARTICLE	IF	CITATIONS
1	The fish embryo toxicity test as an animal alternative method in hazard and risk assessment and scientific research. <i>Aquatic Toxicology</i> , 2010, 97, 79-87.	1.9	320
2	Critical analysis of literature on low-dose synergy for use in screening chemical mixtures for risk assessment. <i>Critical Reviews in Toxicology</i> , 2011, 41, 369-383.	1.9	132
3	An evaluation framework for new approach methodologies (NAMs) for human health safety assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 112, 104592.	1.3	108
4	Risk assessment in the 21st century: Roadmap and matrix. <i>Critical Reviews in Toxicology</i> , 2014, 44, 6-16.	1.9	98
5	Alternative approaches to vertebrate ecotoxicity tests in the 21st century: A review of developments over the last 2 decades and current status. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2637-2646.	2.2	92
6	Creating context for the use of DNA adduct data in cancer risk assessment: I. Data organization. <i>Critical Reviews in Toxicology</i> , 2009, 39, 659-678.	1.9	89
7	A 21st century roadmap for human health risk assessment. <i>Critical Reviews in Toxicology</i> , 2014, 44, 1-5.	1.9	88
8	Adverse Outcome Pathways during Early Fish Development: A Conceptual Framework for Identification of Chemical Screening and Prioritization Strategies. <i>Toxicological Sciences</i> , 2011, 123, 349-358.	1.4	79
9	Creation of a Curated Aquatic Toxicology Database: EnviroTox. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1062-1073.	2.2	73
10	Mode of Action (MOA) Assignment Classifications for Ecotoxicology: An Evaluation of Approaches. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10203-10211.	4.6	60
11	A framework for cumulative risk assessment in the 21st century. <i>Critical Reviews in Toxicology</i> , 2017, 47, 85-97.	1.9	47
12	Practical advice for selecting or determining trophic magnification factors for application under the European Union Water Framework Directive. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 266-277.	1.6	42
13	Assessment of Metabolic Stability Using the Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Liver S9 Fraction. <i>Current Protocols in Toxicology</i> / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2012, 53, Unit 14.10.1-28.	1.1	40
14	Reliability of In Vitro Methods Used to Measure Intrinsic Clearance of Hydrophobic Organic Chemicals by Rainbow Trout: Results of an International Ring Trial. <i>Toxicological Sciences</i> , 2018, 164, 563-575.	1.4	36
15	PBPK model reporting template for chemical risk assessment applications. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 115, 104691.	1.3	33
16	It is time to develop ecological thresholds of toxicological concern to assist environmental hazard assessment. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2864-2869.	2.2	32
17	Problem formulation for risk assessment of combined exposures to chemicals and other stressors in humans. <i>Critical Reviews in Toxicology</i> , 2016, 46, 835-844.	1.9	32
18	An International Perspective on the Tools and Concepts for Effluent Toxicity Assessments in the Context of Animal Alternatives: Reduction in Vertebrate Use. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2745-2757.	2.2	31

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19	Mode of Action Classifications in the EnviroTox Database: Development and Implementation of a Consensus MOA Classification. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2294-2304.	2.2	31
20	An organizational approach for the assessment of DNA adduct data in risk assessment: case studies for aflatoxin B <sub>1</sub> , tamoxifen and vinyl chloride. <i>Critical Reviews in Toxicology</i> , 2014, 44, 348-391.	1.9	26
21	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.	1.8	25
22	Application of new statistical distribution approaches for environmental mixture risk assessment: A case study. <i>Science of the Total Environment</i> , 2019, 693, 133510.	3.9	20
23	Qualitative Approach to Comparative Exposure in Alternatives Assessment. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 880-894.	1.6	17
24	Illustrative case using the RISK21 roadmap and matrix: prioritization for evaluation of chemicals found in drinking water. <i>Critical Reviews in Toxicology</i> , 2016, 46, 43-53.	1.9	13
25	Investigating endocrine-disrupting properties of chemicals in fish and amphibians: Opportunities to apply the 3Rs. <i>Integrated Environmental Assessment and Management</i> , 2022, 18, 442-458.	1.6	13
26	Comparisons of PNEC derivation logic flows under example regulatory schemes and implications for ecoTTC. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 123, 104933.	1.3	12
27	The Botanical Safety Consortium: A public-private partnership to enhance the botanical safety toolkit. <i>Regulatory Toxicology and Pharmacology</i> , 2022, 128, 105090.	1.3	12
28	Use of the RISK21 roadmap and matrix: human health risk assessment of the use of a pyrethroid in bed netting. <i>Critical Reviews in Toxicology</i> , 2016, 46, 54-73.	1.9	11
29	Ecological Thresholds of Toxicological Concern: A Review. <i>Frontiers in Toxicology</i> , 2021, 3, 640183.	1.6	11
30	Opportunities and challenges related to saturation of toxicokinetic processes: Implications for risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 127, 105070.	1.3	10
31	Derivation of algal acute to chronic ratios for use in chemical toxicity extrapolations. <i>Chemosphere</i> , 2021, 263, 127804.	4.2	7
32	Predicting nonlinear relationships between external and internal concentrations with physiologically based pharmacokinetic modeling. <i>Toxicology and Applied Pharmacology</i> , 2022, 440, 115922.	1.3	4
33	Exploring the utility of the Threshold of Toxicological Concern (TTC) as a screening approach for complex substances. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 127, 105051.	1.3	3
34	Weight of evidence tools in the prediction of acute fish toxicity. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 1220-1234.	1.6	3
35	A Critical Review of Bioaccumulation and Biotransformation of Organic Chemicals in Birds. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022, 260, .	0.7	3
36	Incorporating human exposure information in a weight of evidence approach to inform design of repeated dose animal studies. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 127, 105073.	1.3	2

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37	Utility of a next-generation framework for assessment of genomic damage: A case study using the pharmaceutical drug candidate etoposide. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 512-525.	0.9	2
38	Response to "Comment on "Mode of Action (MOA) Assignment Classifications for Ecotoxicology: An Evaluation of Approaches" Environmental Science & Technology, 2017, 51, 13511-13512.	4.6	1
39	Comment on Plugge et al. 2021 "Toward a Universal Acute Fish Threshold of Toxicological Concern" Environmental Toxicology and Chemistry, 2021, 40, 2379-2381.	2.2	1
40	Response to letter to the editor from Chappelle, Spence, and Tury concerning Wolf et al. 2016: Illustrative case using the RISK21 roadmap and matrix: prioritization for evaluation of chemicals found in drinking water. 2016, Crit. Rev. Toxicol. Vol 46: 43-53. <i>Critical Reviews in Toxicology</i> , 2016, 46, 913-914.	1.9	0