

Michelle Embry

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

1,258
citations

20
h-index

35
g-index

42
ext. papers

1,506
ext. citations

4.5
avg, IF

3.94
L-index

#	Paper	IF	Citations
39	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	5.1	274
38	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, 369-83	5.7	109
37	Risk assessment in the 21st century: roadmap and matrix. <i>Critical Reviews in Toxicology</i> , 2014 , 44 Suppl 3, 6-16	5.7	78
36	Creating context for the use of DNA adduct data in cancer risk assessment: I. Data organization. <i>Critical Reviews in Toxicology</i> , 2009 , 39, 659-78	5.7	77
35	A 21st century roadmap for human health risk assessment. <i>Critical Reviews in Toxicology</i> , 2014 , 44 Suppl 3, 1-5	5.7	70
34	Adverse outcome pathways during early fish development: a conceptual framework for identification of chemical screening and prioritization strategies. <i>Toxicological Sciences</i> , 2011 , 123, 349-58	4.4	66
33	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	3.8	66
32	An evaluation framework for new approach methodologies (NAMs) for human health safety assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2020 , 112, 104592	3.4	46
31	Creation of a Curated Aquatic Toxicology Database: EnviroTox. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 1062-1073	3.8	43
30	Mode of Action (MOA) Assignment Classifications for Ecotoxicology: An Evaluation of Approaches. <i>Environmental Science & Technology</i> , 2017 , 51, 10203-10211	10.3	40
29	A framework for cumulative risk assessment in the 21st century. <i>Critical Reviews in Toxicology</i> , 2017 , 47, 85-97	5.7	38
28	Assessment of metabolic stability using the rainbow trout (<i>Oncorhynchus mykiss</i>) liver S9 fraction. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2012 , Chapter 14, Unit 14.10.1-28	1	29
27	It is time to develop ecological thresholds of toxicological concern to assist environmental hazard assessment. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 2864-9	3.8	26
26	An organizational approach for the assessment of DNA adduct data in risk assessment: case studies for aflatoxin B1, tamoxifen and vinyl chloride. <i>Critical Reviews in Toxicology</i> , 2014 , 44, 348-91	5.7	24
25	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	5.7	24
24	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	3.8	23
23	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	4.4	22

22	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	2.5	22
21	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	3.8	18
20	Application of new statistical distribution approaches for environmental mixture risk assessment: A case study. <i>Science of the Total Environment</i> , 2019 , 693, 133510	10.2	15
19	PBPK model reporting template for chemical risk assessment applications. <i>Regulatory Toxicology and Pharmacology</i> , 2020 , 115, 104691	3.4	14
18	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	4.7	12
17	Qualitative approach to comparative exposure in alternatives assessment. <i>Integrated Environmental Assessment and Management</i> , 2019 , 15, 880-894	2.5	11
16	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	5.7	10
15	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	5.7	7
14	Opportunities and challenges related to saturation of toxicokinetic processes: Implications for risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 127, 105070	3.4	4
13	Investigating endocrine-disrupting properties of chemicals in fish and amphibians: Opportunities to apply the 3Rs. <i>Integrated Environmental Assessment and Management</i> , 2021 ,	2.5	3
12	Ecological Thresholds of Toxicological Concern: A Review.. <i>Frontiers in Toxicology</i> , 2021 , 3, 640183	1.6	2
11	Derivation of algal acute to chronic ratios for use in chemical toxicity extrapolations. <i>Chemosphere</i> , 2021 , 263, 127804	8.4	2
10	Response to "Comment on Wmode of Action (MOA) Assignment Classifications for Ecotoxicology: An Evaluation of ApproachesW". <i>Environmental Science & Technology</i> , 2017 , 51, 13511-13512	10.3	1
9	The Botanical Safety Consortium: A public-private partnership to enhance the botanical safety toolkit. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 128, 105090	3.4	1
8	Comparisons of PNEC derivation logic flows under example regulatory schemes and implications for ecoTTC. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 123, 104933	3.4	1
7	Comment on Plugge et al. 2021 "Toward a Universal Acute Fish Threshold of Toxicological Concern". <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 2379-2381	3.8	1
6	A Critical Review of Bioaccumulation and Biotransformation of Organic Chemicals in Birds. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022 , 260,	3.5	1
5	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	3.4	0

- 4 Predicting nonlinear relationships between external and internal concentrations with physiologically based pharmacokinetic modeling.. *Toxicology and Applied Pharmacology*, **2022**, 115922 4.6 ○
- 3 Utility of a next-generation framework for assessment of genomic damage: A case study using the pharmaceutical drug candidate etoposide. *Environmental and Molecular Mutagenesis*, **2021**, 62, 512-525 3.2
- 2 Incorporating human exposure information in a weight of evidence approach to inform design of repeated dose animal studies. *Regulatory Toxicology and Pharmacology*, **2021**, 127, 105073 3.4
- 1 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. *Critical Reviews in Toxicology*, **2016**, 46, 913-914 5.7