

Michelle Embry

List of Publications by Year in Descending Order

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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 | Predicting nonlinear relationships between external and internal concentrations with physiologically based pharmacokinetic modeling.. <i>Toxicology and Applied Pharmacology</i> , 2022 , 115922 | 4.6 | 0 |
| 38 | 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 |
| 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 | 3.2 | |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 | 3.4 | |
| 33 | 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 |
| 32 | Ecological Thresholds of Toxicological Concern: A Review.. <i>Frontiers in Toxicology</i> , 2021 , 3, 640183 | 1.6 | 2 |
| 31 | Derivation of algal acute to chronic ratios for use in chemical toxicity extrapolations. <i>Chemosphere</i> , 2021 , 263, 127804 | 8.4 | 2 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | PBPK model reporting template for chemical risk assessment applications. <i>Regulatory Toxicology and Pharmacology</i> , 2020 , 115, 104691 | 3.4 | 14 |
| 26 | 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 |
| 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 | 4.7 | 12 |
| 24 | Creation of a Curated Aquatic Toxicology Database: EnviroTox. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 1062-1073 | 3.8 | 43 |
| 23 | Qualitative approach to comparative exposure in alternatives assessment. <i>Integrated Environmental Assessment and Management</i> , 2019 , 15, 880-894 | 2.5 | 11 |

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| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 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 | 3.8 | 18 |
| 17 | Mode of Action (MOA) Assignment Classifications for Ecotoxicology: An Evaluation of Approaches. <i>Environmental Science & Technology</i> , 2017 , 51, 10203-10211 | 10.3 | 40 |
| 16 | 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 |
| 15 | A framework for cumulative risk assessment in the 21st century. <i>Critical Reviews in Toxicology</i> , 2017 , 47, 85-97 | 5.7 | 38 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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, 813-814 | 5.7 | |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Risk assessment in the 21st century: roadmap and matrix. <i>Critical Reviews in Toxicology</i> , 2014 , 44 Suppl 3, 6-16 | 5.7 | 78 |
| 6 | A 21st century roadmap for human health risk assessment. <i>Critical Reviews in Toxicology</i> , 2014 , 44 Suppl 3, 1-5 | 5.7 | 70 |
| 5 | 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 |

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| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |