

Judith C Madden

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.

46
papers

882
citations

20
h-index

28
g-index

64
ext. papers

1,064
ext. citations

4.1
avg, IF

4.54
L-index

#	Paper	IF	Citations
46	Pharmaceuticals in the environment: good practice in predicting acute ecotoxicological effects. <i>Toxicology Letters</i> , 2009 , 185, 85-101	4.4	70
45	Formation of categories from structure-activity relationships to allow read-across for risk assessment: toxicity of alpha,beta-unsaturated carbonyl compounds. <i>Chemical Research in Toxicology</i> , 2008 , 21, 2300-12	4	65
44	Students' response to traditional and computer-assisted formative feedback: A comparative case study. <i>British Journal of Educational Technology</i> , 2008 , 39, 486-500	4.3	59
43	Comparative metabolism as a key driver of wildlife species sensitivity to human and veterinary pharmaceuticals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	42
42	Quantitative adverse outcome pathway (qAOP) models for toxicity prediction. <i>Archives of Toxicology</i> , 2020 , 94, 1497-1510	5.8	38
41	Toxicology Data Resources to Support Read-Across and (Q)SAR. <i>Frontiers in Pharmacology</i> , 2019 , 10, 561	5.6	38
40	A Review of Tools as Alternatives to Animal Testing: Principles, Resources and Applications. <i>ATLA Alternatives To Laboratory Animals</i> , 2020 , 48, 146-172	2.1	37
39	Development of an in Silico Profiler for Mitochondrial Toxicity. <i>Chemical Research in Toxicology</i> , 2015 , 28, 1891-902	4	36
38	Adverse Outcome Pathway (AOP) Informed Modeling of Aquatic Toxicology: QSARs, Read-Across, and Interspecies Verification of Modes of Action. <i>Environmental Science & Technology</i> , 2016 , 50, 3995-4007	10.3	34
37	Development and analysis of an adverse outcome pathway network for human neurotoxicity. <i>Archives of Toxicology</i> , 2019 , 93, 2759-2772	5.8	33
36	Investigation of the Verhaar scheme for predicting acute aquatic toxicity: improving predictions obtained from Toxtree ver. 2.6. <i>Chemosphere</i> , 2015 , 139, 146-54	8.4	31
35	Structure-based methods for the prediction of drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2006 , 2, 545-57	5.5	30
34	In silico resources to assist in the development and evaluation of physiologically-based kinetic models. <i>Computational Toxicology</i> , 2019 , 11, 33-49	3.1	28
33	Assessment and Reproducibility of Quantitative Structure-Activity Relationship Models by the Nonexpert. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 673-682	6.1	25
32	Strategies for the optimisation of in vivo experiments in accordance with the 3Rs philosophy. <i>Regulatory Toxicology and Pharmacology</i> , 2012 , 63, 140-54	3.4	24
31	Using In Silico Tools in a Weight of Evidence Approach to Aid Toxicological Assessment. <i>Molecular Informatics</i> , 2010 , 29, 97-110	3.8	24
30	Towards a Fuzzy Expert System on Toxicological Data Quality Assessment. <i>Molecular Informatics</i> , 2013 , 32, 65-78	3.8	22

29	Linking existing in vitro dermal absorption data to physicochemical properties: Contribution to the design of a weight-of-evidence approach for the safety evaluation of cosmetic ingredients with low dermal bioavailability. <i>Regulatory Toxicology and Pharmacology</i> , 2016 , 76, 74-8	3.4	20
28	Application of in silico and in vitro methods in the development of adverse outcome pathway constructs in wildlife. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	20
27	Prediction of Organ Level Toxicity: Linking Chemistry to Adverse Effects. <i>Toxicological Research</i> , 2017 , 33, 173-182	3.7	20
26	In Silico Approaches for Predicting Adme Properties. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2010 , 283-304	0.7	19
25	Development of computational models for the prediction of the toxicity of nanomaterials. <i>Perspectives in Science</i> , 2015 , 3, 27-29	0.8	17
24	Unlocking the potential of chemical safety assessment - A report on a cross-sector symposium on current opportunities and future challenges. <i>Computational Toxicology</i> , 2019 , 10, 38-43	3.1	16
23	Ensuring confidence in predictions: A scheme to assess the scientific validity of in silico models. <i>Advanced Drug Delivery Reviews</i> , 2015 , 86, 101-11	18.5	13
22	Methods for assigning confidence to toxicity data with multiple values--Identifying experimental outliers. <i>Science of the Total Environment</i> , 2014 , 482-483, 358-65	10.2	13
21	Development of a Fragment-Based in Silico Profiler for Michael Addition Thiol Reactivity. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1073-81	4	12
20	Investigation of Critical Body Residues and Modes of Toxic Action Based on Injection and Aquatic Exposure in Fish. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	11
19	Data Quality in the Human and Environmental Health Sciences: Using Statistical Confidence Scoring to Improve QSAR/QSPR Modeling. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 1739-46	6.1	10
18	Turbocharging Matched Molecular Pair Analysis: Optimizing the Identification and Analysis of Pairs. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 2424-2436	6.1	9
17	Key read across framework components and biology based improvements. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020 , 853, 503172	3	9
16	Development of an in silico profiler for respiratory sensitisation. <i>ATLA Alternatives To Laboratory Animals</i> , 2014 , 42, 367-75	2.1	8
15	Predicting protein-ligand binding affinity and correcting crystal structures with quantum mechanical calculations: lactate dehydrogenase A. <i>Chemical Science</i> , 2019 , 10, 2218-2227	9.4	7
14	Advances in the prediction of gastrointestinal absorption: Quantitative Structure-Activity Relationship (QSAR) modelling of PAMPA permeability. <i>Computational Toxicology</i> , 2019 , 10, 51-59	3.1	7
13	Assessment of the predictive capacity of a physiologically based kinetic model using a read-across approach. <i>Computational Toxicology</i> , 2021 , 18, 100159	3.1	5
12	A critical review of adverse effects to the kidney: mechanisms, data sources, and in silico tools to assist prediction. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2018 , 14, 1225-1253	5.5	5

11	Robustness of an Immobilized Artificial Membrane High-Performance Liquid Chromatography Method for the Determination of Lipophilicity. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3696-3700	2.8	4
10	Validation of a Fragment-Based Profiler for Thiol Reactivity for the Prediction of Toxicity: Skin Sensitization and <i>Tetrahymena pyriformis</i> . <i>Chemical Research in Toxicology</i> , 2017 , 30, 604-613	4	3
9	Determination of "fitness-for-purpose" of quantitative structure-activity relationship (QSAR) models to predict (eco-)toxicological endpoints for regulatory use. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 123, 104956	3.4	3
8	A Systematic Review of Published Physiologically-based Kinetic Models and an Assessment of their Chemical Space Coverage. <i>ATLA Alternatives To Laboratory Animals</i> , 2021 , 49, 197-208	2.1	2
7	A mechanistic model to study the kinetics and toxicity of salicylic acid in the kidney of four virtual individuals. <i>Computational Toxicology</i> , 2021 , 19, 100172	3.1	2
6	A review of in silico toxicology approaches to support the safety assessment of cosmetics-related materials. <i>Computational Toxicology</i> , 2022 , 21, 100213	3.1	1
5	A matter of trust: Learning lessons about causality will make qAOPs credible.. <i>Computational Toxicology</i> , 2022 , 21, 100205	3.1	1
4	Development of Baseline Quantitative Structure-Activity Relationships (QSARs) for the Effects of Active Pharmaceutical Ingredients (APIs) to Aquatic Species. <i>Methods in Pharmacology and Toxicology</i> , 2020 , 331-356	1.1	1
3	Probabilistic modelling of developmental neurotoxicity based on a simplified adverse outcome pathway network.. <i>Computational Toxicology</i> , 2022 , 21, 100206	3.1	1
2	Pharmacokinetic Tools and Applications.. <i>Methods in Molecular Biology</i> , 2022 , 2425, 57-83	1.4	
1	(Q)SAR Models of Adverse Responses: Acute Systemic Toxicity 299-314		