

Andrew Paul Worth

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.

192
papers

8,999
citations

47
h-index

89
g-index

219
ext. papers

10,297
ext. citations

4
avg, IF

6.07
L-index

#	Paper	IF	Citations
192	Methods for reliability and uncertainty assessment and for applicability evaluations of classification- and regression-based QSARs. <i>Environmental Health Perspectives</i> , 2003 , 111, 1361-75	8.4	957
191	Alternative (non-animal) methods for cosmetics testing: current status and future prospects-2010. <i>Archives of Toxicology</i> , 2011 , 85, 367-485	5.8	398
190	A theoretical framework for predicting the oxidative stress potential of oxide nanoparticles. <i>Nanotoxicology</i> , 2011 , 5, 228-35	5.3	250
189	An evaluation of the implementation of the Cramer classification scheme in the Toxtree software. <i>SAR and QSAR in Environmental Research</i> , 2008 , 19, 495-524	3.5	245
188	Applying Adverse Outcome Pathways (AOPs) to support Integrated Approaches to Testing and Assessment (IATA). <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 70, 629-40	3.4	237
187	A modular approach to the ECVAM principles on test validity. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32, 467-72	2.1	211
186	CERAPP: Collaborative Estrogen Receptor Activity Prediction Project. <i>Environmental Health Perspectives</i> , 2016 , 124, 1023-33	8.4	206
185	Use of QSARs in international decision-making frameworks to predict health effects of chemical substances. <i>Environmental Health Perspectives</i> , 2003 , 111, 1391-401	8.4	205
184	In vivo kinetics of human natural killer cells: the effects of ageing and acute and chronic viral infection. <i>Immunology</i> , 2007 , 121, 258-65	7.8	181
183	Use of QSARs in international decision-making frameworks to predict ecologic effects and environmental fate of chemical substances. <i>Environmental Health Perspectives</i> , 2003 , 111, 1376-90	8.4	169
182	The ECVAM international validation study on in vitro tests for acute skin irritation: report on the validity of the EPISKIN and EpiDerm assays and on the Skin Integrity Function Test. <i>ATLA Alternatives To Laboratory Animals</i> , 2007 , 35, 559-601	2.1	154
181	Regulatory assessment of chemical mixtures: Requirements, current approaches and future perspectives. <i>Regulatory Toxicology and Pharmacology</i> , 2016 , 80, 321-34	3.4	139
180	Applying quantitative structure-activity relationship approaches to nanotoxicology: current status and future potential. <i>Toxicology</i> , 2013 , 313, 15-23	4.4	132
179	B-cell kinetics in humans: rapid turnover of peripheral blood memory cells. <i>Blood</i> , 2005 , 105, 3633-40	2.2	129
178	Metabolism: a bottleneck in in vitro toxicological test development. The report and recommendations of ECVAM workshop 54. <i>ATLA Alternatives To Laboratory Animals</i> , 2006 , 34, 49-84	2.1	124
177	New publicly available chemical query language, CSRML, to support chemotype representations for application to data mining and modeling. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 510-28	6.1	114
176	The role of the European Chemicals Bureau in promoting the regulatory use of (Q)SAR methods. <i>SAR and QSAR in Environmental Research</i> , 2007 , 18, 111-25	3.5	111

175	QSAR modeling of nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011 , 3, 298-306	9.2	99
174	Measurement and modeling of human T cell kinetics. <i>European Journal of Immunology</i> , 2003 , 33, 2316-266.1		96
173	The Registry of Cytotoxicity: toxicity testing in cell cultures to predict acute toxicity (LD50) and to reduce testing in animals. <i>ATLA Alternatives To Laboratory Animals</i> , 2003 , 31, 89-198	2.1	94
172	Direct measurement of T cell subset kinetics in vivo in elderly men and women. <i>Journal of Immunology</i> , 2004 , 173, 1787-94	5.3	91
171	In vivo T lymphocyte dynamics in humans and the impact of human T-lymphotropic virus 1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8035-40	11.5	89
170	Review of (Quantitative) Structure-Activity Relationships for Acute Aquatic Toxicity. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 77-90		88
169	The Development and Validation of Expert Systems for Predicting Toxicity: The Report and Recommendations of an ECVAM/ECB Workshop (ECVAM Workshop 24) ^{1,2} . <i>ATLA Alternatives To Laboratory Animals</i> , 1997 , 25, 223-251	2.1	86
168	Dedication to Dr J.M. Zaldívar Comenges (1958-2012). <i>Toxicology in Vitro</i> , 2017 , 45, 207-208	3.6	78
167	Applying Omics technologies in chemicals risk assessment: Report of an ECETOC workshop. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 91 Suppl 1, S3-S13	3.4	74
166	Structure-based classification of antibacterial activity. <i>Journal of Chemical Information and Computer Sciences</i> , 2002 , 42, 869-78		74
165	Modeling the structure-property relationships of nanoneedles: A journey toward nanomedicine. <i>Journal of Computational Chemistry</i> , 2009 , 30, 275-84	3.5	71
164	Investigating the influence of data splitting on the predictive ability of QSAR/QSPR models. <i>Structural Chemistry</i> , 2011 , 22, 795-804	1.8	70
163	Regulatory assessment and risk management of chemical mixtures: challenges and ways forward. <i>Critical Reviews in Toxicology</i> , 2019 , 49, 174-189	5.7	68
162	The Adverse Outcome Pathway approach in nanotoxicology. <i>Computational Toxicology</i> , 2017 , 1, 3-11	3.1	68
161	Strategies to improve the regulatory assessment of developmental neurotoxicity (DNT) using in vitro methods. <i>Toxicology and Applied Pharmacology</i> , 2018 , 354, 7-18	4.6	68
160	Chemical Safety Assessment Using Read-Across: Assessing the Use of Novel Testing Methods to Strengthen the Evidence Base for Decision Making. <i>Environmental Health Perspectives</i> , 2015 , 123, 1232-40 ⁴	8.4	66
159	Thresholds of Toxicological Concern for cosmetics-related substances: New database, thresholds, and enrichment of chemical space. <i>Food and Chemical Toxicology</i> , 2017 , 109, 170-193	4.7	64
158	Toxmatch-a new software tool to aid in the development and evaluation of chemically similar groups. <i>SAR and QSAR in Environmental Research</i> , 2008 , 19, 397-412	3.5	58

157	Follow-up to the ECVAM prevalidation study on in vitro tests for acute skin irritation. The European Centre for the Validation of Alternative Methods Skin Irritation Task Force report 2. <i>ATLA Alternatives To Laboratory Animals</i> , 2002 , 30, 109-29	2.1	58
156	Towards an alternative testing strategy for nanomaterials used in nanomedicine: lessons from NanoTEST. <i>Nanotoxicology</i> , 2015 , 9 Suppl 1, 118-32	5.3	55
155	The use of discriminant analysis, logistic regression and classification tree analysis in the development of classification models for human health effects. <i>Computational and Theoretical Chemistry</i> , 2003 , 622, 97-111		52
154	The ECVAM International Validation Study on In Vitro Tests for Skin Corrosivity. 1. Selection and Distribution of the Test Chemicals. <i>Toxicology in Vitro</i> , 1998 , 12, 471-82	3.6	51
153	Structural analysis and predictive value of the rodent in vivo micronucleus assay results. <i>Mutagenesis</i> , 2010 , 25, 335-41	2.8	50
152	Review of Estimation Models for Biodegradation. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 32-40		50
151	Establishment of an in vitro reporter gene assay for developmental cardiac toxicity. <i>Toxicology in Vitro</i> , 2001 , 15, 215-23	3.6	50
150	Next generation physiologically based kinetic (NG-PBK) models in support of regulatory decision making. <i>Computational Toxicology</i> , 2019 , 9, 61-72	3.1	50
149	The importance of hydrophobicity and electrophilicity descriptors in mechanistically-based QSARs for toxicological endpoints. <i>SAR and QSAR in Environmental Research</i> , 2002 , 13, 167-76	3.5	49
148	Grouping of nanomaterials to read-across hazard endpoints: a review. <i>Nanotoxicology</i> , 2019 , 13, 100-118	5.3	48
147	Human cytomegalovirus-specific CD8(+) T-cell expansions contain long-lived cells that retain functional capacity in both young and elderly subjects. <i>Immunology</i> , 2011 , 132, 27-38	7.8	47
146	Publicly-accessible QSAR software tools developed by the Joint Research Centre. <i>SAR and QSAR in Environmental Research</i> , 2008 , 19, 785-99	3.5	46
145	Ab initio chemical safety assessment: A workflow based on exposure considerations and non-animal methods. <i>Computational Toxicology</i> , 2017 , 4, 31-44	3.1	45
144	Quantitative structure-skin permeability relationships. <i>Toxicology</i> , 2017 , 387, 27-42	4.4	45
143	The prospects for using (Q)SARs in a changing political environment--high expectations and a key role for the European Commission's joint research centre. <i>SAR and QSAR in Environmental Research</i> , 2004 , 15, 331-43	3.5	45
142	Computational methods to predict the reactivity of nanoparticles through structure-property relationships. <i>Expert Opinion on Drug Delivery</i> , 2010 , 7, 295-305	8	44
141	Validation of counter propagation neural network models for predictive toxicology according to the OECD principles: a case study. <i>SAR and QSAR in Environmental Research</i> , 2006 , 17, 265-84	3.5	44
140	Eye irritation. <i>ATLA Alternatives To Laboratory Animals</i> , 2005 , 33 Suppl 1, 47-81	2.1	44

139	Computer models versus reality: how well do in silico models currently predict the sensitization potential of a substance. <i>Regulatory Toxicology and Pharmacology</i> , 2013 , 67, 468-85	3.4	43
138	A Mini Review of Mammalian Toxicity (Q)SAR Models. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 41-48		42
137	Quantitative structure-activity-activity and quantitative structure-activity investigations of human and rodent toxicity. <i>Chemosphere</i> , 2006 , 65, 1878-87	8.4	41
136	Carcinogenicity assessment: Addressing the challenges of cancer and chemicals in the environment. <i>Environment International</i> , 2019 , 128, 417-429	12.9	40
135	ECVAM's response to the changing political environment for alternatives: consequences of the European Union chemicals and cosmetics policies. <i>ATLA Alternatives To Laboratory Animals</i> , 2003 , 31, 473-81	2.1	39
134	Quantitative adverse outcome pathway (qAOP) models for toxicity prediction. <i>Archives of Toxicology</i> , 2020 , 94, 1497-1510	5.8	38
133	Review of Literature-Based Quantitative Structure-Activity Relationship Models for Bioconcentration. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 21-31		38
132	Establishing the level of safety concern for chemicals in food without the need for toxicity testing. <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 68, 275-96	3.4	37
131	(Q)SARs for Predicting Effects Relating to Reproductive Toxicity. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 91-100		37
130	Prediction of estrogenicity: validation of a classification model. <i>SAR and QSAR in Environmental Research</i> , 2006 , 17, 195-223	3.5	36
129	Validation of a QSAR model for acute toxicity. <i>SAR and QSAR in Environmental Research</i> , 2006 , 17, 147-71	3.5	36
128	Comparison of the applicability domain of a quantitative structure-activity relationship for estrogenicity with a large chemical inventory. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 1223-30	3.8	36
127	Analysis of the Local Lymph Node Assay (LLNA) variability for assessing the prediction of skin sensitisation potential and potency of chemicals with non-animal approaches. <i>Toxicology in Vitro</i> , 2016 , 34, 220-228	3.6	36
126	A feasibility study developing an integrated testing strategy assessing skin irritation potential of chemicals. <i>Toxicology Letters</i> , 2008 , 180, 9-20	4.4	35
125	The importance of the prediction model in the validation of alternative tests. <i>ATLA Alternatives To Laboratory Animals</i> , 2001 , 29, 135-44	2.1	35
124	Consensus of classification trees for skin sensitisation hazard prediction. <i>Toxicology in Vitro</i> , 2016 , 36, 197-209	3.6	35
123	The ECVAM international validation study on in vitro tests for acute skin irritation: selection of test chemicals. <i>ATLA Alternatives To Laboratory Animals</i> , 2007 , 35, 603-19	2.1	34
122	Development and analysis of an adverse outcome pathway network for human neurotoxicity. <i>Archives of Toxicology</i> , 2019 , 93, 2759-2772	5.8	33

121	Assessment of developmental neurotoxicity induced by chemical mixtures using an adverse outcome pathway concept. <i>Environmental Health</i> , 2020 , 19, 23	6	32
120	Investigating the state of physiologically based kinetic modelling practices and challenges associated with gaining regulatory acceptance of model applications. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 90, 104-115	3.4	31
119	Quantitative structure-activity relationships for human health effects: commonalities with other endpoints. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 1829-43	3.8	31
118	Review of the Availability of In Vitro and In Silico Methods for Assessing Dermal Bioavailability. <i>Applied in Vitro Toxicology</i> , 2015 , 1, 147-164	1.3	29
117	In vitro-to-in vivo correlation of the skin penetration, liver clearance and hepatotoxicity of caffeine. <i>Food and Chemical Toxicology</i> , 2015 , 75, 39-49	4.7	29
116	Qsar investigation of a large data set for fish, algae and Daphnia toxicity. <i>SAR and QSAR in Environmental Research</i> , 2004 , 15, 413-31	3.5	28
115	The use of pH measurements to predict the potential of chemicals to cause acute dermal and ocular toxicity. <i>Toxicology</i> , 2001 , 169, 119-31	4.4	28
114	Grouping of nanomaterials to read-across hazard endpoints: from data collection to assessment of the grouping hypothesis by application of chemoinformatic techniques. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 37	8.4	27
113	The Integrated Use of Models for the Properties and Effects of Chemicals by means of a Structured Workflow. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 6-20		25
112	Overcoming barriers to validation of non-animal partial replacement methods/Integrated Testing Strategies: the report of an EPAA-ECVAM workshop. <i>ATLA Alternatives To Laboratory Animals</i> , 2009 , 37, 437-44	2.1	24
111	Validation of in vitro methods for human cytochrome P450 enzyme induction: Outcome of a multi-laboratory study. <i>Toxicology in Vitro</i> , 2019 , 60, 212-228	3.6	23
110	Theoretical and mathematical foundation of the Virtual Cell Based Assay - A review. <i>Toxicology in Vitro</i> , 2017 , 45, 209-221	3.6	23
109	Computational toxicology at the European Commission's Joint Research Centre. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010 , 6, 785-92	5.5	23
108	The role of ECVAM in promoting the regulatory acceptance of alternative methods in the European Union. European Centre for the Validation of Alternative Methods. <i>ATLA Alternatives To Laboratory Animals</i> , 2001 , 29, 525-35	2.1	23
107	A rule for designing safer nanomaterials: do not interfere with the cellular redox equilibrium. <i>Nanotoxicology</i> , 2015 , 9 Suppl 1, 116-7	5.3	22
106	Toxmatch--a chemical classification and activity prediction tool based on similarity measures. <i>Regulatory Toxicology and Pharmacology</i> , 2008 , 52, 77-84	3.4	22
105	The role of the European centre for the validation of alternative methods (ECVAM) in the validation of (Q)SARs. <i>SAR and QSAR in Environmental Research</i> , 2004 , 15, 345-58	3.5	22
104	Skin sensitisation. <i>ATLA Alternatives To Laboratory Animals</i> , 2005 , 33 Suppl 1, 83-103	2.1	22

103	The Role of Qsar Methodology in the Regulatory Assessment of Chemicals. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2010 , 367-382	0.7	21
102	A Review of (Q)SAR Models for Skin and Eye Irritation and Corrosion. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 49-59		21
101	Current EU regulatory requirements for the assessment of chemicals and cosmetic products: challenges and opportunities for introducing new approach methodologies. <i>Archives of Toxicology</i> , 2021 , 95, 1867-1897	5.8	21
100	Multiscale modelling approaches for assessing cosmetic ingredients safety. <i>Toxicology</i> , 2017 , 392, 130-139	4.4	20
99	The margin of internal exposure (MOIE) concept for dermal risk assessment based on oral toxicity data - A case study with caffeine. <i>Toxicology</i> , 2017 , 392, 119-129	4.4	20
98	Report of the EPAA-ECVAM workshop on the validation of Integrated Testing Strategies (ITS). <i>ATLA Alternatives To Laboratory Animals</i> , 2012 , 40, 175-81	2.1	20
97	Evaluation of SARs for the prediction of skin irritation/corrosion potential: structural inclusion rules in the BfR decision support system. <i>SAR and QSAR in Environmental Research</i> , 2007 , 18, 331-42	3.5	20
96	Computational models for the assessment of manufactured nanomaterials: Development of model reporting standards and mapping of the model landscape. <i>Computational Toxicology</i> , 2019 , 9, 143-151	3.1	20
95	Role of in silico genotoxicity tools in the regulatory assessment of pharmaceutical impurities. <i>SAR and QSAR in Environmental Research</i> , 2012 , 23, 257-77	3.5	19
94	The application of molecular modelling in the safety assessment of chemicals: A case study on ligand-dependent PPAR γ dysregulation. <i>Toxicology</i> , 2017 , 392, 140-154	4.4	18
93	The influence of inter-particle forces on diffusion at the nanoscale. <i>Scientific Reports</i> , 2019 , 9, 12689	4.9	17
92	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
91	Application of physiologically-based toxicokinetic modelling in oral-to-dermal extrapolation of threshold doses of cosmetic ingredients. <i>Toxicology Letters</i> , 2014 , 227, 189-202	4.4	16
90	Investigating cell type specific mechanisms contributing to acute oral toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 39-64	4.3	16
89	Grouping of multi-walled carbon nanotubes to read-across genotoxicity: A case study to evaluate the applicability of regulatory guidance. <i>Computational Toxicology</i> , 2019 , 9, 22-35	3.1	15
88	Challenges in working towards an internal threshold of toxicological concern (iTTC) for use in the safety assessment of cosmetics: Discussions from the Cosmetics Europe iTTC Working Group workshop. <i>Regulatory Toxicology and Pharmacology</i> , 2019 , 103, 63-72	3.4	15
87	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
86	Tuning the electronic properties by width and length modifications of narrow-diameter carbon nanotubes for nanomedicine. <i>Current Medicinal Chemistry</i> , 2012 , 19, 5219-25	4.3	15

85	QSAR and metabolic assessment tools in the assessment of genotoxicity. <i>Methods in Molecular Biology</i> , 2013 , 930, 125-62	1.4	15
84	From in vitro to in vivo: Integration of the virtual cell based assay with physiologically based kinetic modelling. <i>Toxicology in Vitro</i> , 2017 , 45, 241-248	3.6	14
83	Characterization of age-related changes in bovine CD8+ T-cells. <i>Veterinary Immunology and Immunopathology</i> , 2011 , 140, 47-54	2	14
82	Prediction of acute toxicity to mice by the Arithmetic Mean Toxicity (AMT) modelling approach. <i>SAR and QSAR in Environmental Research</i> , 2010 , 21, 265-75	3.5	14
81	Evaluation of SARs for the prediction of eye irritation/corrosion potential: structural inclusion rules in the BfR decision support system. <i>SAR and QSAR in Environmental Research</i> , 2007 , 18, 221-35	3.5	14
80	Structure-permeability Relationships for Transcorneal Penetration. <i>ATLA Alternatives To Laboratory Animals</i> , 2000 , 28, 403-13	2.1	14
79	Physiologically based mathematical models of nanomaterials for regulatory toxicology: A review. <i>Computational Toxicology</i> , 2019 , 9, 133-142	3.1	13
78	Embedded Cluster Modelling: A novel method for analysing embedded data sets. <i>QSAR and Combinatorial Science</i> , 1999 , 18, 229-235		13
77	Membrane transporter data to support kinetically-informed chemical risk assessment using non-animal methods: Scientific and regulatory perspectives. <i>Environment International</i> , 2019 , 126, 659-671	11.9	12
76	The use of bootstrap resampling to assess the uncertainty of cooper statistics. <i>ATLA Alternatives To Laboratory Animals</i> , 2001 , 29, 447-59	2.1	12
75	Integrated Approaches to Testing and Assessment. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 856, 317-342	3.6	12
74	Artificial Intelligence for chemical risk assessment. <i>Computational Toxicology</i> , 2020 , 13, 100114	3.1	12
73	Assessing herbal products with health claims. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 1918-28	11.5	11
72	Use of computational tools in the field of food safety. <i>Regulatory Toxicology and Pharmacology</i> , 2011 , 60, 354-62	3.4	11
71	Prediction of Acute Rodent Toxicity on the Basis of Chemical Structure and Physicochemical Similarity. <i>Molecular Informatics</i> , 2011 , 30, 267-75	3.8	11
70	QSARS for toxicity to the bacterium <i>Sinorhizobium meliloti</i> . <i>SAR and QSAR in Environmental Research</i> , 2004 , 15, 169-90	3.5	11
69	Prediction models for eye irritation potential based on endpoints of the HETCAM and neutral red uptake tests. <i>In Vitro & Molecular Toxicology</i> , 2001 , 14, 143-56		11
68	The use of genetically engineered cells for assessing CYP2D6-related polymorphic effects. <i>Toxicology in Vitro</i> , 2001 , 15, 553-6	3.6	11

67	The use of bootstrap resampling to assess the variability of Draize tissue scores. <i>ATLA Alternatives To Laboratory Animals</i> , 2001 , 29, 557-73	2.1	11
66	A general approach for evaluating stepwise testing strategies. <i>ATLA Alternatives To Laboratory Animals</i> , 1999 , 27, 161-77	2.1	11
65	Validation of Computational Methods. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 856, 165-183.	3.6	11
64	The acute effects of daily nicotine intake on heart rate--a toxicokinetic and toxicodynamic modelling study. <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 70, 312-24	3.4	10
63	An integrated approach for bioaccumulation assessment in mussels: towards the development of Environmental Quality Standards for biota. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 244-52	7	10
62	The principles of validation and the ECVAM validation process. <i>ATLA Alternatives To Laboratory Animals</i> , 2002 , 30 Suppl 2, 15-21	2.1	10
61	Automated workflows for modelling chemical fate, kinetics and toxicity. <i>Toxicology in Vitro</i> , 2017 , 45, 249-257	3.6	9
60	Structural motifs modulating the carcinogenic risk of aromatic amines. <i>Environmental and Molecular Mutagenesis</i> , 2009 , 50, 152-61	3.2	9
59	Mode of action-based classification and prediction of activity of uncouplers for the screening of chemical inventories. <i>SAR and QSAR in Environmental Research</i> , 2008 , 19, 433-63	3.5	9
58	Thresholds of toxicological concern for endocrine active substances in the aquatic environment. <i>Integrated Environmental Assessment and Management</i> , 2010 , 6, 2-11	2.5	9
57	An Evaluation of the Proposed OECD Testing Strategy for Skin Corrosion. <i>ATLA Alternatives To Laboratory Animals</i> , 1998 , 26, 709-720	2.1	9
56	The virtual cell based assay: Current status and future perspectives. <i>Toxicology in Vitro</i> , 2017 , 45, 258-263.	3.6	8
55	Computational modelling for the sustainable management of chemicals. <i>Computational Toxicology</i> , 2020 , 14, 100122	3.1	8
54	Capturing the applicability of in vitro-in silico membrane transporter data in chemical risk assessment and biomedical research. <i>Science of the Total Environment</i> , 2018 , 645, 97-108	10.2	8
53	Establishing a systematic framework to characterise in vitro methods for human hepatic metabolic clearance. <i>Toxicology in Vitro</i> , 2018 , 53, 233-244	3.6	8
52	Recent advances in the molecular modeling of estrogen receptor-mediated toxicity. <i>Advances in Protein Chemistry and Structural Biology</i> , 2011 , 85, 217-51	5.3	8
51	Applicability of QSAR analysis in the evaluation of developmental and neurotoxicity effects for the assessment of the toxicological relevance of metabolites and degradates of pesticide active substances for dietary risk assessment. <i>EFSA Supporting Publications</i> , 2011 , 8, 169E	1.1	8
50	Computational Tools for Regulatory Needs		8

49	The principles of validation and the ECVAM validation process. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32 Suppl 1B, 623-9	2.1	8
48	The role of validation in establishing the scientific credibility of predictive toxicology approaches intended for regulatory application. <i>Computational Toxicology</i> , 2021 , 17, 100144	3.1	8
47	Practical use of the Virtual Cell Based Assay: Simulation of repeated exposure experiments in liver cell lines. <i>Toxicology in Vitro</i> , 2017 , 45, 233-240	3.6	7
46	Accelerated in vivo proliferation of memory phenotype CD4+ T-cells in human HIV-1 infection irrespective of viral chemokine co-receptor tropism. <i>PLoS Pathogens</i> , 2013 , 9, e1003310	7.6	7
45	Physiologically based kinetic (PBK) modelling and human biomonitoring data for mixture risk assessment. <i>Environment International</i> , 2020 , 143, 105978	12.9	7
44	Waiving chronic fish tests: possible use of acute-to-chronic relationships and interspecies correlations. <i>Toxicological and Environmental Chemistry</i> , 2016 , 1-23	1.4	7
43	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
42	Role of Physiologically Based Kinetic modelling in addressing environmental chemical mixtures - A review. <i>Computational Toxicology</i> , 2019 , 10, 158-168	3.1	7
41	Virtual Cell Based Assay simulations of intra-mitochondrial concentrations in hepatocytes and cardiomyocytes. <i>Toxicology in Vitro</i> , 2017 , 45, 222-232	3.6	6
40	A tutorial for analysing the cost-effectiveness of alternative methods for assessing chemical toxicity: the case of acute oral toxicity prediction. <i>ATLA Alternatives To Laboratory Animals</i> , 2014 , 42, 115-27	2.1	6
39	Training needs for toxicity testing in the 21st century: a survey-informed analysis. <i>ATLA Alternatives To Laboratory Animals</i> , 2012 , 40, 313-20	2.1	5
38	3D QSAR investigation of the blood-brain barrier penetration of chemical compounds. <i>SAR and QSAR in Environmental Research</i> , 2005 , 16, 79-91	3.5	5
37	Integration of data across toxicity endpoints for improved safety assessment of chemicals: the example of carcinogenicity assessment. <i>Archives of Toxicology</i> , 2021 , 95, 1971-1993	5.8	5
36	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
35	The future of in silico chemical safety and beyond. <i>Computational Toxicology</i> , 2019 , 10, 60-62	3.1	5
34	Exploring waiving opportunities for mammalian acute systemic toxicity tests. <i>ATLA Alternatives To Laboratory Animals</i> , 2016 , 44, 271-9	2.1	4
33	In Silico Models for Acute Systemic Toxicity. <i>Methods in Molecular Biology</i> , 2016 , 1425, 177-200	1.4	4
32	Insights into in vitro biokinetics using Virtual Cell Based Assay simulations. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 447-461	4.3	4

31	COSMOS next generation - A public knowledge base leveraging chemical and biological data to support the regulatory assessment of chemicals. <i>Computational Toxicology</i> , 2021 , 19, 100175	3.1	4
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