Andrew P Worth

List of Publications by Year
in descending order

172 papers	10,665 citations	36087 51 h-index	35719 98 g-index
192 all docs	192 docs citations	192 times ranked	10498 citing authors

#	Article	IF	Citations
1	Methods for reliability and uncertainty assessment and for applicability evaluations of classification- and regression-based QSARs.. Environmental Health Perspectives, 2003, 111, 1361-1375.	8.2	1,134
2	Current Status of Methods for Defining the Applicability Domain of (Quantitative) Structure-Activity Relationships. ATLA Alternatives To Laboratory Animals, 2005, 33, 155-173.	1.4	676
3	Alternative (non-animal) methods for cosmetics testing: current status and future prospectsâ€"2010. Archives of Toxicology, 2011, 85, 367-485.	4.3	496
4	An evaluation of the implementation of the Cramer classification scheme in the Toxtree software. SAR and QSAR in Environmental Research, 2008, 19, 495-524.	2.3	385
5	Applying Adverse Outcome Pathways (AOPs) to support Integrated Approaches to Testing and Assessment (IATA). Regulatory Toxicology and Pharmacology, 2014, 70, 629-640.	2.8	304
6	A theoretical framework for predicting the oxidative stress potential of oxide nanoparticles. Nanotoxicology, 2011, 5, 228-235.	3.0	298
7	A Modular Approach to the ECVAM Principles on Test Validity. ATLA Alternatives To Laboratory Animals, 2004, 32, 467-472.	1.4	278
8	CERAPP: Collaborative Estrogen Receptor Activity Prediction Project. Environmental Health Perspectives, 2016, 124, 1023-1033.	8.2	278
9	In vivo kinetics of human natural killer cells: the effects of ageing and acute and chronic viral infection. Immunology, 2007, 121, 258-265.	4.4	270
10	Use of QSARs in international decision-making frameworks to predict health effects of chemical substances.. Environmental Health Perspectives, 2003, 111, 1391-1401.	8.2	241
11	Use of QSARs in international decision-making frameworks to predict ecologic effects and environmental fate of chemical substances.. Environmental Health Perspectives, 2003, 111, 1376-1390.	8.2	194
12	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. ATLA Alternatives To Laboratory Animals, 2007, 35, 559-601.	1.4	192
13	Regulatory assessment of chemical mixtures: Requirements, current approaches and future perspectives. Regulatory Toxicology and Pharmacology, 2016, 80, 321-334.	2.8	192
14	New Publicly Available Chemical Query Language, CSRML, To Support Chemotype Representations for Application to Data Mining and Modeling. Journal of Chemical Information and Modeling, 2015, 55, 510-528.	5.7	191
15	B-cell kinetics in humans: rapid turnover of peripheral blood memory cells. Blood, 2005, 105, 3633-3640.	1.4	165
16	Metabolism: A Bottleneck inIn VitroToxicological Test Development. ATLA Alternatives To Laboratory Animals, 2006, 34, 49-84.	1.4	163
17	Applying quantitative structureâ€"activity relationship approaches to nanotoxicology: Current status and future potential. Toxicology, 2013, 313, 15-23.	4.3	155
18	Regulatory assessment and risk management of chemical mixtures: challenges and ways forward. Critical Reviews in Toxicology, 2019, 49, 174-189.	3.9	151

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19	QSAR modeling of nanomaterials. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 298-306.	6.8	124
20	The Registry of Cytotoxicity: Toxicity Testing in Cell Cultures to Predict Acute Toxicity (LD50) and to Reduce Testing in Animals. ATLA Alternatives To Laboratory Animals, 2003, 31, 89-89.	1.4	116
21	Measurement and modeling of human T cell kinetics. European Journal of Immunology, 2003, 33, 2316-2326.	3.3	114
22	Thresholds of Toxicological Concern for cosmetics-related substances: New database, thresholds, and enrichment of chemical space. Food and Chemical Toxicology, 2017, 109, 170-193.	3.7	111
23	Strategies to improve the regulatory assessment of developmental neurotoxicity (DNT) using in vitro methods. Toxicology and Applied Pharmacology, 2018, 354, 7-18.	2.9	111
24	In vivo T lymphocyte dynamics in humans and the impact of human T-lymphotropic virus 1 infection. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8035-8040.	7.6	107
25	Direct Measurement of T Cell Subset Kinetics In Vivo in Elderly Men and Women. Journal of Immunology, 2004, 173, 1787-1794.	0.8	105
26	Applying 'omics technologies in chemicals risk assessment: Report of an ECETOC workshop. Regulatory Toxicology and Pharmacology, 2017, 91, S3-S13.	2.8	104
27	Structure-Based Classification of Antibacterial Activity. Journal of Chemical Information and Computer Sciences, 2002, 42, 869-878.	2.8	97
28	The Development and Validation of Expert Systems for Predicting Toxicity. ATLA Alternatives To Laboratory Animals, 1997, 25, 223-251.	1.4	96
29	Investigating the influence of data splitting on the predictive ability of QSAR/QSPR models. Structural Chemistry, 2011, 22, 795-804.	2.0	94
30	Chemical Safety Assessment Using Read-Across: Assessing the Use of Novel Testing Methods to Strengthen the Evidence Base for Decision Making. Environmental Health Perspectives, 2015, 123, 1232-1240.	8.2	93
31	The Adverse Outcome Pathway approach in nanotoxicology. Computational Toxicology, 2017, 1, 3-11.	3.4	87
32	Ab initio chemical safety assessment: A workflow based on exposure considerations and non-animal methods. Computational Toxicology, 2017, 4, 31-44.	3.4	82
33	Carcinogenicity assessment: Addressing the challenges of cancer and chemicals in the environment. Environment International, 2019, 128, 417-429.	10.1	78
34	Modeling the structureâ€property relationships of nanoneedles: A journey toward nanomedicine. Journal of Computational Chemistry, 2009, 30, 275-284.	3.5	77
35	Quantitative structure-skin permeability relationships. Toxicology, 2017, 387, 27-42.	4.3	72
36	Quantitative adverse outcome pathway (qAOP) models for toxicity prediction. Archives of Toxicology, 2020, 94, 1497-1510.	4.3	71

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37	Assessment of developmental neurotoxicity induced by chemical mixtures using an adverse outcome pathway concept. Environmental Health, 2020, 19, 23.	4.2	71
38	The use of discriminant analysis, logistic regression and classification tree analysis in the development of classification models for human health effects. Computational and Theoretical Chemistry, 2003, 622, 97-111.	1.5	69
39	Follow-up to the ECVAM Prevalidation Study onIn VitroTests for Acute Skin Irritation. ATLA Alternatives To Laboratory Animals, 2002, 30, 109-129.	1.4	68
40	Toxmatchâ€“a new software tool to aid in the development and evaluation of chemically similar groups. SAR and QSAR in Environmental Research, 2008, 19, 397-412.	2.3	65
41	Development and analysis of an adverse outcome pathway network for human neurotoxicity. Archives of Toxicology, 2019, 93, 2759-2772.	4.3	65
42	Current EU regulatory requirements for the assessment of chemicals and cosmetic products: challenges and opportunities for introducing new approach methodologies. Archives of Toxicology, 2021, 95, 1867-1897.	4.3	64
43	Establishment of an in vitro reporter gene assay for developmental cardiac toxicity. Toxicology in Vitro, 2001, 15, 215-223.	2.5	62
44	The ECVAM International Validation Study on In Vitro Tests for Skin Corrosivity. 1. Selection and Distribution of the Test Chemicals. Toxicology in Vitro, 1998, 12, 471-482.	2.5	60
45	The importance of hydrophobicity and electrophilicity descriptors in mechanistically-based QSARs for toxicological endpoints. SAR and QSAR in Environmental Research, 2002, 13, 167-176.	2.3	59
46	Publicly-accessible QSAR software tools developed by the Joint Research Centre. SAR and QSAR in Environmental Research, 2008, 19, 785-799.	2.3	58
47	Human cytomegalovirus-specific CD8+ T-cell expansions contain long-lived cells that retain functional capacity in both young and elderly subjects. Immunology, 2011, 132, 27-38.	4.4	57
48	3.3. Eye Irritation. ATLA Alternatives To Laboratory Animals, 2005, 33, 47-81.	1.4	55
49	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. SAR and QSAR in Environmental Research, 2004, 15, 331-343.	2.3	53
50	Structural analysis and predictive value of the rodent in vivo micronucleus assay results. Mutagenesis, 2010, 25, 335-341.	2.6	53
51	Computer models versus reality: How well do in silico models currently predict the sensitization potential of a substance. Regulatory Toxicology and Pharmacology, 2013, 67, 468-485.	2.8	52
52	ECVAM's Response to the Changing Political Environment for Alternatives: Consequences of the European Union Chemicals and Cosmetics Policies. ATLA Alternatives To Laboratory Animals, 2003, 31, 473-481.	1.4	51
53	Can in vitro mammalian cell genotoxicity test results be used to complement positive results in the Ames test and help predict carcinogenic or in vivo genotoxic activity? I. Reports of individual databases presented at an EURL ECVAM Workshop. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 775-776, 55-68.	1.8	50
54	The Importance of the Prediction Model in the Validation of Alternative Tests. ATLA Alternatives To Laboratory Animals, 2001, 29, 135-143.	1.4	49

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55	Can currently available non-animal methods detect pre and pro-haptens relevant for skin sensitization?. Regulatory Toxicology and Pharmacology, 2016, 82, 147-155.	2.8	49
56	Quantitative structureâ€“activityâ€“activity and quantitative structureâ€“activity investigations of human and rodent toxicity. Chemosphere, 2006, 65, 1878-1887.	8.4	46
57	Predicting toxicity of nanoparticles. Nature Nanotechnology, 2011, 6, 138-139.	30.5	46
58	Establishing the level of safety concern for chemicals in food without the need for toxicity testing. Regulatory Toxicology and Pharmacology, 2014, 68, 275-296.	2.8	46
59	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. Toxicology in Vitro, 2016, 34, 220-228.	2.5	44
60	The ECVAM International Validation Study on In Vitro Tests for Acute Skin Irritation: Selection of Test Chemicals. ATLA Alternatives To Laboratory Animals, 2007, 35, 603-619.	1.4	43
61	Investigating the state of physiologically based kinetic modelling practices and challenges associated with gaining regulatory acceptance of model applications. Regulatory Toxicology and Pharmacology, 2017, 90, 104-115.	2.8	43
62	Validation of in vitro methods for human cytochrome P450 enzyme induction: Outcome of a multi-laboratory study. Toxicology in Vitro, 2019, 60, 212-228.	2.5	40
63	COMPARISON OF THE APPLICABILITY DOMAIN OF A QUANTITATIVE STRUCTUREâ€“ACTIVITY RELATIONSHIP FOR ESTROGENICITY WITH A LARGE CHEMICAL INVENTORY. Environmental Toxicology and Chemistry, 2006, 25, 1223.	4.4	39
64	Review of the Availability ofIn VitroandIn SilicoMethods for Assessing Dermal Bioavailability. Applied in Vitro Toxicology, 2015, 1, 147-164.	1.4	39
65	The influence of inter-particle forces on diffusion at the nanoscale. Scientific Reports, 2019, 9, 12689.	3.4	39
66	Use of New Approach Methodologies (NAMs) in regulatory decisions for chemical safety: Report from an EPAA Deep Dive Workshop. Regulatory Toxicology and Pharmacology, 2022, 135, 105261.	2.8	39
67	A feasibility study developing an integrated testing strategy assessing skin irritation potential of chemicals. Toxicology Letters, 2008, 180, 9-20.	1.3	38
68	The way forward for assessing the human health safety of cosmetics in the EU - Workshop proceedings. Toxicology, 2020, 436, 152421.	4.3	38
69	QUANTITATIVE STRUCTUREâ€“ACTIVITY RELATIONSHIPS FOR HUMAN HEALTH EFFECTS: COMMONALITIES WITH OTHER ENDPOINTS. Environmental Toxicology and Chemistry, 2003, 22, 1829.	4.4	37
70	The use of pH measurements to predict the potential of chemicals to cause acute dermal and ocular toxicity. Toxicology, 2001, 169, 119-131.	4.3	35
71	Toxmatchâ€”A chemical classification and activity prediction tool based on similarity measures. Regulatory Toxicology and Pharmacology, 2008, 52, 77-84.	2.8	32
72	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. Regulatory Toxicology and Pharmacology, 2019, 103, 63-72.	2.8	31

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73	Qsar investigation of a large data set for fish, algae and Daphnia toxicity. SAR and QSAR in Environmental Research, 2004, 15, 413-431.	2.3	29
74	Overcoming Barriers to Validation of Non-animal Partial Replacement Methods/Integrated Testing Strategies: The Report of an EPAAâ€“ECVAM Workshop. ATLA Alternatives To Laboratory Animals, 2009, 37, 437-444.	1.4	29
75	Computational toxicology at the European Commission's Joint Research Centre. Expert Opinion on Drug Metabolism and Toxicology, 2010, 6, 785-792.	3.4	29
76	The margin of internal exposure (MOIE) concept for dermal risk assessment based on oral toxicity data â€“ A case study with caffeine. Toxicology, 2017, 392, 119-129.	4.3	29
77	The Role of ECVAM in Promoting the Regulatory Acceptance of Alternative Methods in the European Union. ATLA Alternatives To Laboratory Animals, 2001, 29, 525-535.	1.4	28
78	Artificial Intelligence for chemical risk assessment. Computational Toxicology, 2020, 13, 100114.	3.4	27
79	The role of the European centre for the validation of alternative methods (ECVAM) in the validation of (Q)SARs. SAR and QSAR in Environmental Research, 2004, 15, 345-358.	2.3	26
80	A rule for designing safer nanomaterials: do not interfere with the cellular redox equilibrium. Nanotoxicology, 2015, 9, 116-117.	3.0	26
81	Multiscale modelling approaches for assessing cosmetic ingredients safety. Toxicology, 2017, 392, 130-139.	4.3	26
82	Physiologically based kinetic (PBK) modelling and human biomonitoring data for mixture risk assessment. Environment International, 2020, 143, 105978.	10.1	26
83	Report of the EPAAâ€“ECVAM Workshop on the Validation of Integrated Testing Strategies (ITS). ATLA Alternatives To Laboratory Animals, 2012, 40, 175-181.	1.4	25
84	Role ofin silicogenotoxicity tools in the regulatory assessment of pharmaceutical impurities. SAR and QSAR in Environmental Research, 2012, 23, 257-277.	2.3	24
85	Alternatives for skin sensitisation: Hazard identification and potency categorisation: Report from an EPAA/CEFIC LRI/Cosmetics Europe cross sector workshop, ECHA Helsinki, April 23rd and 24th 2015. Regulatory Toxicology and Pharmacology, 2015, 73, 660-666.	2.8	24
86	Application of new statistical distribution approaches for environmental mixture risk assessment: A case study. Science of the Total Environment, 2019, 693, 133510.	8.2	24
87	The role of validation in establishing the scientific credibility of predictive toxicology approaches intended for regulatory application. Computational Toxicology, 2021, 17, 100144.	3.4	24
88	Unlocking the potential of in silico chemical safety assessment â€“ A report on a cross-sector symposium on current opportunities and future challenges. Computational Toxicology, 2019, 10, 38-43.	3.4	23
89	Investigating cell type specific mechanisms contributing to acute oral toxicity. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 39-64.	1.3	23
90	3.4. Skin Sensitisation. ATLA Alternatives To Laboratory Animals, 2005, 33, 83-103.	1.4	22

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91	The application of molecular modelling in the safety assessment of chemicals: A case study on ligand-dependent PPARÎ³ dysregulation. Toxicology, 2017, 392, 140-154.	4.3	21
92	Grouping of multi-walled carbon nanotubes to read-across genotoxicity: A case study to evaluate the applicability of regulatory guidance. Computational Toxicology, 2019, 9, 22-35.	3.4	21
93	Membrane transporter data to support kinetically-informed chemical risk assessment using non-animal methods: Scientific and regulatory perspectives. Environment International, 2019, 126, 659-671.	10.1	21
94	Assessment of the predictive capacity of a physiologically based kinetic model using a read-across approach. Computational Toxicology, 2021, 18, 100159.	3.4	21
95	Combining in vitro assays and mathematical modelling to study developmental neurotoxicity induced by chemical mixtures. Reproductive Toxicology, 2021, 105, 101-119.	3.1	21
96	Thresholds of toxicological concern for endocrine active substances in the aquatic environment. Integrated Environmental Assessment and Management, 2010, 6, 2-11.	3.2	19
97	Prediction of acute toxicity to mice by the Arithmetic Mean Toxicity (AMT) modelling approach. SAR and QSAR in Environmental Research, 2010, 21, 265-275.	2.3	19
98	Towards a qAOP framework for predictive toxicology - Linking data to decisions. Computational Toxicology, 2022, 21, 100195.	3.4	19
99	An Evaluation of the Proposed OECD Testing Strategy for Skin Corrosion. ATLA Alternatives To Laboratory Animals, 1998, 26, 709-720.	1.4	18
100	Tuning the Electronic Properties by Width and Length Modifications of Narrow- Diameter Carbon Nanotubes for Nanomedicine. Current Medicinal Chemistry, 2012, 19, 5219-5225.	2.5	18
101	Establishing a systematic framework to characterise in vitro methods for human hepatic metabolic clearance. Toxicology in Vitro, 2018, 53, 233-244.	2.5	18
102	From in vitro to in vivo: Integration of the virtual cell based assay with physiologically based kinetic modelling. Toxicology in Vitro, 2017, 45, 241-248.	2.5	17
103	Gaining acceptance in next generation PBK modelling approaches for regulatory assessments â€“ An OECD international effort. Computational Toxicology, 2021, 18, 100163.	3.4	17
104	Integrated Approaches to Testing and Assessment. Advances in Experimental Medicine and Biology, 2016, 856, 317-342.	0.0	17
105	Probabilistic modelling of developmental neurotoxicity based on a simplified adverse outcome pathway network. Computational Toxicology, 2022, 21, 100206.	3.4	17
106	Embedded Cluster Modelling-A novel method for analysing embedded data sets. QSAR and Combinatorial Science, 1999, 18, 229-235.	1.2	16
107	Structureâ€“permeability Relationships for Transcorneal Penetration. ATLA Alternatives To Laboratory Animals, 2000, 28, 403-413.	1.4	16
108	Characterization of age-related changes in bovine CD8+ T-cells. Veterinary Immunology and Immunopathology, 2011, 140, 47-54.	1.2	16

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109	Capturing the applicability of in vitro-in silico membrane transporter data in chemical risk assessment and biomedical research. Science of the Total Environment, 2018, 645, 97-108.	8.2	16
110	Role of Physiologically Based Kinetic modelling in addressing environmental chemical mixtures â€“ A review. Computational Toxicology, 2019, 10, 158-168.	3.4	16
111	Integration of data across toxicity endpoints for improved safety assessment of chemicals: the example of carcinogenicity assessment. Archives of Toxicology, 2021, 95, 1971-1993.	4.3	16
112	COSMOS next generation â€“ A public knowledge base leveraging chemical and biological data to support the regulatory assessment of chemicals. Computational Toxicology, 2021, 19, 100175.	3.4	16
113	QSAR and Metabolic Assessment Tools in the Assessment of Genotoxicity. Methods in Molecular Biology, 2013, 930, 125-162.	0.0	16
114	The Use of Bootstrap Resampling to Assess the Variability of Draize Tissue Scores. ATLA Alternatives To Laboratory Animals, 2001, 29, 557-573.	1.4	15
115	The Principles of Validation and the ECVAM Validation Process. ATLA Alternatives To Laboratory Animals, 2004, 32, 623-629.	1.4	15
116	Use of computational tools in the field of food safety. Regulatory Toxicology and Pharmacology, 2011, 60, 354-362.	2.8	15
117	Validation of Computational Methods. Advances in Experimental Medicine and Biology, 2016, 856, 165-187.	0.0	14
118	A General Approach for Evaluating Stepwise Testing Strategies. ATLA Alternatives To Laboratory Animals, 1999, 27, 161-177.	1.4	13
119	The Use of Bootstrap Resampling to Assess the Uncertainty of Cooper Statistics. ATLA Alternatives To Laboratory Animals, 2001, 29, 447-459.	1.4	13
120	Prediction Models for Eye Irritation Potential Based on Endpoints of the HETCAM and Neutral Red Uptake Tests. In Vitro & Molecular Toxicology, 2001, 14, 143-156.	0.6	13
121	Report of the Workshop on the Validation of QSARs and Other Computational Prediction Models. ATLA Alternatives To Laboratory Animals, 2004, 32, 703-706.	1.4	13
122	An integrated approach for bioaccumulation assessment in mussels: Towards the development of Environmental Quality Standards for biota. Ecotoxicology and Environmental Safety, 2011, 74, 244-252.	6.2	13
123	Advances in the prediction of gastrointestinal absorption: Quantitative Structure-Activity Relationship (QSAR) modelling of PAMPA permeability. Computational Toxicology, 2019, 10, 51-59.	3.4	13
124	Settling dynamics of nanoparticles in simple and biological media. Royal Society Open Science, 2021, 8, 210068.	2.5	13
125	QSARs for toxicity to the bacteriumSinorhizobium meliloti. SAR and QSAR in Environmental Research, 2004, 15, 169-190.	2.3	12
126	Mode of action-based classification and prediction of activity of uncouplers for the screening of chemical inventories. SAR and QSAR in Environmental Research, 2008, 19, 433-463.	2.3	12

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127	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. EFSA Supporting Publications, 2011, 8, 169E.	0.7	12
128	Waiving chronic fish tests: possible use of acute-to-chronic relationships and interspecies correlations. Toxicological and Environmental Chemistry, 2016, , 1-23.	1.3	12
129	Translatability and transferability of in silico models: Context of use switching to predict the effects of environmental chemicals on the immune system. Computational and Structural Biotechnology Journal, 2022, 20, 1764-1777.	4.2	12
130	Structural motifs modulating the carcinogenic risk of aromatic amines. Environmental and Molecular Mutagenesis, 2009, 50, 152-161.	2.0	11
131	Recent Advances in the Molecular Modeling of Estrogen Receptor-Mediated Toxicity. Advances in Protein Chemistry and Structural Biology, 2011, 85, 217-251.	0.5	11
132	A Tutorial for Analysing the Cost-effectiveness of Alternative Methods for Assessing Chemical Toxicity: The Case of Acute Oral Toxicity Prediction. ATLA Alternatives To Laboratory Animals, 2014, 42, 115-127.	1.4	11
133	Computational modelling for the sustainable management of chemicals. Computational Toxicology, 2020, 14, 100122.	3.4	11
134	The Principles of Validation and the ECVAM Validation Process. ATLA Alternatives To Laboratory Animals, 2002, 30, 15-21.	1.4	10
135	Accelerated In Vivo Proliferation of Memory Phenotype CD4+ T-cells in Human HIV-1 Infection Irrespective of Viral Chemokine Co-receptor Tropism. PLoS Pathogens, 2013, 9, e1003310.	4.1	10
136	The virtual cell based assay: Current status and future perspectives. Toxicology in Vitro, 2017, 45, 258-267.	2.5	10
137	Automated workflows for modelling chemical fate, kinetics and toxicity. Toxicology in Vitro, 2017, 45, 249-257.	2.5	9
138	The future of in silico chemical safety â€¦ and beyond. Computational Toxicology, 2019, 10, 60-62.	3.4	9
139	Alternative Toxicity Test Methods. , 2019, , 317-323.		9
140	Computational Tools for Regulatory Needs. , 0, , 751-775.		8
141	Virtual Cell Based Assay simulations of intra-mitochondrial concentrations in hepatocytes and cardiomyocytes. Toxicology in Vitro, 2017, 45, 222-232.	2.5	8
142	In Silico Models for Acute Systemic Toxicity. Methods in Molecular Biology, 2016, 1425, 177-200.	0.0	7
143	A scheme to evaluate structural alerts to predict toxicity â€“ Assessing confidence by characterising uncertainties. Regulatory Toxicology and Pharmacology, 2022, 135, 105249.	2.8	7
144	Chapter 11. Development and Evaluation of Structureâ€“Reactivity Models for Predicting the In Vitro Oxidative Stress of Metal Oxide Nanoparticles. RSC Nanoscience and Nanotechnology, 2012, , 257-283.	0.0	6

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145	Training Needs for Toxicity Testing in the 21st Century: A Survey-informed Analysis. ATLA Alternatives To Laboratory Animals, 2012, 40, 313-320.	1.4	6
146	Insights into in vitro biokinetics using Virtual Cell Based Assay simulations. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 447-461.	1.3	6
147	A matter of trust: Learning lessons about causality will make qAOPs credible. Computational Toxicology, 2022, 21, 100205.	3.4	6
148	3D QSAR investigation of the bloodâ€“brain barrier penetration of chemical compounds. SAR and QSAR in Environmental Research, 2005, 16, 79-91.	2.3	5
149	Evaluation of Non-animal Methods for Assessing Skin Sensitisation Hazard: A Bayesian Value-of-Information Analysis. ATLA Alternatives To Laboratory Animals, 2016, 44, 255-269.	1.4	5
150	The Validation of Alternative Test Methods. , 2019, , 307-314.		5
151	In Silico Models for Predicting Acute Systemic Toxicity. Methods in Molecular Biology, 2022, 2425, 259-289.	0.0	5
152	An Overview of Physiologically-Based Pharmacokinetic Models for Forensic Science. Toxics, 2023, 11, 126.	3.8	4
153	A Framework for Promoting the Acceptance and Regulatory Use of (Quantitative) Structure- Activity Relationships. , 2004, , .		3
154	Towards a future regulatory framework for chemicals in the European Union â€“ Chemicals 2.0. Regulatory Toxicology and Pharmacology, 2023, 142, 105431.	2.8	3
155	ECVAM's Activities on Computer Modelling and Integrated Testing. ATLA Alternatives To Laboratory Animals, 2002, 30, 133-137.	1.4	2
156	Toxicity Testing, Modeling. , 2005, , 288-293.		2
157	Making better use of toxicity studies for human health by extrapolating across endpoints. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 519-531.	1.3	2
158	Extension of the Virtual Cell Based Assay from a 2-D to a 3-D Cell Culture Model. ATLA Alternatives To Laboratory Animals, 2022, 50, 45-56.	1.4	2
159	The Role of ECVAM. , 2019, , 95-107.		1
160	Involvement of the Organisation for Economic Cooperation and Development. , 2019, , 147-154.		1
161	Integrated Approaches to Testing and Assessment. , 2019, , 301-306.		1
162	Types of Toxicity and Applications of Toxicity Testing. , 2019, , 7-10.		1

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163	Alternative Approaches for the Assessment of Chemicals in Food. , 2019, , 185-195.		1
164	Optimising testing strategies for classification of human health and environmental hazards â€“ A proof-of-concept study. Toxicology Letters, 2020, 335, 64-70.	1.3	1
165	Will qAOPs modernise toxicology?. Computational Toxicology, 2022, 21, 100199.	3.4	1
166	Editorial: Advances and Refinements in the Development and Application of Threshold of Toxicological Concern. Frontiers in Toxicology, 2022, 4, 882321.	3.1	1
167	Improving the application of quantitative methods in validation work. Toxicology in Vitro, 2001, 15, 601-604.	2.5	0
168	Reply to the Comment by Hoffmann et al.. ATLA Alternatives To Laboratory Animals, 2002, 30, 555-557.	1.4	0
169	The Use of Computer Models as Alternatives to Animal Experiments in Chemical Risk Assessment. ATLA Alternatives To Laboratory Animals, 2003, 31, 67-73.	1.4	0
170	Dedication to Dr J.M. ZaldÃvar Comenges (1958â€“2012). Toxicology in Vitro, 2017, 45, 207-208.	2.5	0
171	Chapter 4. Towards a Common Regulatory Framework for Computational Toxicology: Current Status and Future Perspectives. RSC Drug Discovery Series, 2011, , 38-69.	0.0	0
172	A Twin Transition in Regulatory Toxicologyâ€”moving towards Chemicals 2.0 and phasing out animal testing. Toxicological Sciences, 0, , .	3.1	0