Andrew Paul Worth

List of Publications by Year in Descending Order

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	A matter of trust: Learning lessons about causality will make qAOPs credible.. *Computational Toxicology*, **2022**, 21, 100205	3.1	1
191	Towards a qAOP framework for predictive toxicology - Linking data to decisions.. *Computational Toxicology*, **2022**, 21, 100195	3.1	3
190	Extension of the Virtual Cell Based Assay from a 2-D to a 3-D Cell Culture Model.. *ATLA Alternatives To Laboratory Animals*, **2022**, 2611929221082200	2.1	0
189	In Silico Models for Predicting Acute Systemic Toxicity.. *Methods in Molecular Biology*, **2022**, 2425, 259-289	1.4	0
188	Probabilistic modelling of developmental neurotoxicity based on a simplified adverse outcome pathway network.. *Computational Toxicology*, **2022**, 21, 100206	3.1	1
187	Settling dynamics of nanoparticles in simple and biological media. *Royal Society Open Science*, **2021**, 8, 210068	3.3	0
186	Integration of data across toxicity endpoints for improved safety assessment of chemicals: the example of carcinogenicity assessment. *Archives of Toxicology*, **2021**, 95, 1971-1993	5.8	5
185	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	5.8	21
184	Assessment of the predictive capacity of a physiologically based kinetic model using a read-across approach. *Computational Toxicology*, **2021**, 18, 100159	3.1	5
183	Gaining acceptance in next generation PBK modelling approaches for regulatory assessments - An OECD international effort. *Computational Toxicology*, **2021**, 18, 100163	3.1	3
182	The role of validation in establishing the scientific credibility of predictive toxicology approaches intended for regulatory application. *Computational Toxicology*, **2021**, 17, 100144	3.1	8
181	COSMOS next generation - A public knowledge base leveraging chemical and biological data to support the regulatory assessment of chemicals. *Computational Toxicology*, **2021**, 19, 100175	3.1	4
180	Combining in vitro assays and mathematical modelling to study developmental neurotoxicity induced by chemical mixtures. *Reproductive Toxicology*, **2021**, 105, 101-119	3.4	4
179	Optimising testing strategies for classification of human health and environmental hazards - A proof-of-concept study. *Toxicology Letters*, **2020**, 335, 64-70	4.4	1
178	Quantitative adverse outcome pathway (qAOP) models for toxicity prediction. *Archives of Toxicology*, **2020**, 94, 1497-1510	5.8	38
177	Computational modelling for the sustainable management of chemicals. *Computational Toxicology*, **2020**, 14, 100122	3.1	8
176	Assessment of developmental neurotoxicity induced by chemical mixtures using an adverse outcome pathway concept. *Environmental Health*, **2020**, 19, 23	6	32

175	Making better use of toxicity studies for human health by extrapolating across endpoints. *ALTEX: Alternatives To Animal Experimentation*, **2020**, 37, 519-531	4.3	1
174	Artificial Intelligence for chemical risk assessment. *Computational Toxicology*, **2020**, 13, 100114	3.1	12
173	Physiologically based kinetic (PBK) modelling and human biomonitoring data for mixture risk assessment. *Environment International*, **2020**, 143, 105978	12.9	7
172	Development and analysis of an adverse outcome pathway network for human neurotoxicity. *Archives of Toxicology*, **2019**, 93, 2759-2772	5.8	33
171	The influence of inter-particle forces on diffusion at the nanoscale. *Scientific Reports*, **2019**, 9, 12689	4.9	17
170	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	3.1	15
169	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	3.4	15
168	Unlocking the potential of chemical safety assessment - A report on a cross-sector symposium on current opportunities and future challenges. *Computational Toxicology*, **2019**, 10, 38-43	3.1	16
167	Validation of in vitro methods for human cytochrome P450 enzyme induction: Outcome of a multi-laboratory study. *Toxicology in Vitro*, **2019**, 60, 212-228	3.6	23
166	Carcinogenicity assessment: Addressing the challenges of cancer and chemicals in the environment. *Environment International*, **2019**, 128, 417-429	12.9	40
165	Membrane transporter data to support kinetically-informed chemical risk assessment using non-animal methods: Scientific and regulatory perspectives. *Environment International*, **2019**, 126, 659-671	12.9	12
164	Physiologically based mathematical models of nanomaterials for regulatory toxicology: A review. *Computational Toxicology*, **2019**, 9, 133-142	3.1	13
163	Regulatory assessment and risk management of chemical mixtures: challenges and ways forward. *Critical Reviews in Toxicology*, **2019**, 49, 174-189	5.7	68
162	Application of new statistical distribution approaches for environmental mixture risk assessment: A case study. *Science of the Total Environment*, **2019**, 693, 133510	10.2	15
161	Investigating cell type specific mechanisms contributing to acute oral toxicity. *ALTEX: Alternatives To Animal Experimentation*, **2019**, 36, 39-64	4.3	16
160	Insights into in vitro biokinetics using Virtual Cell Based Assay simulations. *ALTEX: Alternatives To Animal Experimentation*, **2019**, 36, 447-461	4.3	4
159	Grouping of nanomaterials to read-across hazard endpoints: a review. *Nanotoxicology*, **2019**, 13, 100-118	5.3	48
158	Advances in the prediction of gastrointestinal absorption: Quantitative Structure-Activity Relationship (QSAR) modelling of PAMPA permeability. *Computational Toxicology*, **2019**, 10, 51-59	3.1	7

139	The margin of internal exposure (MOIE) concept for dermal risk assessment based on oral toxicity data - A case study with caffeine. *Toxicology*, **2017**, 392, 119-129	4.4	20
138	Automated workflows for modelling chemical fate, kinetics and toxicity. *Toxicology in Vitro*, **2017**, 45, 249-257	3.6	9
137	Practical use of the Virtual Cell Based Assay: Simulation of repeated exposure experiments in liver cell lines. *Toxicology in Vitro*, **2017**, 45, 233-240	3.6	7
136	Applying Pomics technologies in chemicals risk assessment: Report of an ECETOC workshop. *Regulatory Toxicology and Pharmacology*, **2017**, 91 Suppl 1, S3-S13	3.4	74
135	Ab initio chemical safety assessment: A workflow based on exposure considerations and non-animal methods. *Computational Toxicology*, **2017**, 4, 31-44	3.1	45
134	Dedication to Dr J.M. Zaldívar Comenges (1958-2012). *Toxicology in Vitro*, **2017**, 45, 207-208	3.6	78
133	Thresholds of Toxicological Concern for cosmetics-related substances: New database, thresholds, and enrichment of chemical space. *Food and Chemical Toxicology*, **2017**, 109, 170-193	4.7	64
132	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	3.4	31
131	Virtual Cell Based Assay simulations of intra-mitochondrial concentrations in hepatocytes and cardiomyocytes. *Toxicology in Vitro*, **2017**, 45, 222-232	3.6	6
130	Quantitative structure-skin permeability relationships. *Toxicology*, **2017**, 387, 27-42	4.4	45
129	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	3.6	14
128	Theoretical and mathematical foundation of the Virtual Cell Based Assay - A review. *Toxicology in Vitro*, **2017**, 45, 209-221	3.6	23
127	The Adverse Outcome Pathway approach in nanotoxicology. *Computational Toxicology*, **2017**, 1, 3-11	3.1	68
126	Evaluation of non-animal methods for assessing skin sensitisation hazard: A Bayesian Value-of-Information analysis. *ATLA Alternatives To Laboratory Animals*, **2016**, 44, 255-69	2.1	3
125	Exploring waiving opportunities for mammalian acute systemic toxicity tests. *ATLA Alternatives To Laboratory Animals*, **2016**, 44, 271-9	2.1	4
124	In Silico Models for Acute Systemic Toxicity. *Methods in Molecular Biology*, **2016**, 1425, 177-200	1.4	4
123	Integrated Approaches to Testing and Assessment. *Advances in Experimental Medicine and Biology*, **2016**, 856, 317-342	3.6	12
122	CERAPP: Collaborative Estrogen Receptor Activity Prediction Project. *Environmental Health Perspectives*, **2016**, 124, 1023-33	8.4	206

121	Waiving chronic fish tests: possible use of acute-to-chronic relationships and interspecies correlations. *Toxicological and Environmental Chemistry*, **2016**, 1-23	1.4	7
120	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	3.6	36
119	Regulatory assessment of chemical mixtures: Requirements, current approaches and future perspectives. *Regulatory Toxicology and Pharmacology*, **2016**, 80, 321-34	3.4	139
118	Validation of Computational Methods. *Advances in Experimental Medicine and Biology*, **2016**, 856, 165-187	3.6	11
117	Consensus of classification trees for skin sensitisation hazard prediction. *Toxicology in Vitro*, **2016**, 36, 197-209	3.6	35
116	Review of the Availability of In Vitro and In Silico Methods for Assessing Dermal Bioavailability. *Applied in Vitro Toxicology*, **2015**, 1, 147-164	1.3	29
115	Towards an alternative testing strategy for nanomaterials used in nanomedicine: lessons from NanoTEST. *Nanotoxicology*, **2015**, 9 Suppl 1, 118-32	5.3	55
114	In vitro-to-in vivo correlation of the skin penetration, liver clearance and hepatotoxicity of caffeine. *Food and Chemical Toxicology*, **2015**, 75, 39-49	4.7	29
113	A rule for designing safer nanomaterials: do not interfere with the cellular redox equilibrium. *Nanotoxicology*, **2015**, 9 Suppl 1, 116-7	5.3	22
112	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, 1232-40	8.4	66
111	Assessing herbal products with health claims. *Critical Reviews in Food Science and Nutrition*, **2015**, 55, 1918-28	11.5	11
110	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, 510-28	6.1	114
109	The acute effects of daily nicotine intake on heart rate--a toxicokinetic and toxicodynamic modelling study. *Regulatory Toxicology and Pharmacology*, **2014**, 70, 312-24	3.4	10
108	Applying Adverse Outcome Pathways (AOPs) to support Integrated Approaches to Testing and Assessment (IATA). *Regulatory Toxicology and Pharmacology*, **2014**, 70, 629-40	3.4	237
107	Application of physiologically-based toxicokinetic modelling in oral-to-dermal extrapolation of threshold doses of cosmetic ingredients. *Toxicology Letters*, **2014**, 227, 189-202	4.4	16
106	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, 115-27	2.1	6
105	Establishing the level of safety concern for chemicals in food without the need for toxicity testing. *Regulatory Toxicology and Pharmacology*, **2014**, 68, 275-96	3.4	37
104	Computer models versus reality: how well do in silico models currently predict the sensitization potential of a substance. *Regulatory Toxicology and Pharmacology*, **2013**, 67, 468-85	3.4	43

103	Toward better understanding of liver steatosis MoA: Molecular modelling study of PPAR gamma receptor. *Toxicology Letters*, **2013**, 221, S85	4.4	2
102	Applying quantitative structure-activity relationship approaches to nanotoxicology: current status and future potential. *Toxicology*, **2013**, 313, 15-23	4.4	132
101	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	7.6	7
100	QSAR and metabolic assessment tools in the assessment of genotoxicity. *Methods in Molecular Biology*, **2013**, 930, 125-62	1.4	15
99	Chapter 11:Development and Evaluation of Structure Reactivity Models for Predicting the In Vitro Oxidative Stress of Metal Oxide Nanoparticles. *RSC Nanoscience and Nanotechnology*, **2012**, 257-283		3
98	Training needs for toxicity testing in the 21st century: a survey-informed analysis. *ATLA Alternatives To Laboratory Animals*, **2012**, 40, 313-20	2.1	5
97	Report of the EPAA-ECVAM workshop on the validation of Integrated Testing Strategies (ITS). *ATLA Alternatives To Laboratory Animals*, **2012**, 40, 175-81	2.1	20
96	Role of in silico genotoxicity tools in the regulatory assessment of pharmaceutical impurities. *SAR and QSAR in Environmental Research*, **2012**, 23, 257-77	3.5	19
95	Tuning the electronic properties by width and length modifications of narrow- diameter carbon nanotubes for nanomedicine. *Current Medicinal Chemistry*, **2012**, 19, 5219-25	4.3	15
94	Recent advances in the molecular modeling of estrogen receptor-mediated toxicity. *Advances in Protein Chemistry and Structural Biology*, **2011**, 85, 217-51	5.3	8
93	An integrated approach for bioaccumulation assessment in mussels: towards the development of Environmental Quality Standards for biota. *Ecotoxicology and Environmental Safety*, **2011**, 74, 244-52	7	10
92	Characterization of age-related changes in bovine CD8+ T-cells. *Veterinary Immunology and Immunopathology*, **2011**, 140, 47-54	2	14
91	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	1.1	8
90	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	7.8	47
89	Use of computational tools in the field of food safety. *Regulatory Toxicology and Pharmacology*, **2011**, 60, 354-62	3.4	11
88	Calculations of acute intravenous toxicity in mice based on local regression models in superoverlapping clusters (LRMSC). *Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry*, **2011**, 5, 346-356	0.4	
87	A theoretical framework for predicting the oxidative stress potential of oxide nanoparticles. *Nanotoxicology*, **2011**, 5, 228-35	5.3	250
86	Linear and nonlinear QSAR models of acute intravenous toxicity of organic chemicals for mice. *Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry*, **2011**, 5, 213-225	0.4	3

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85	Investigating the influence of data splitting on the predictive ability of QSAR/QSPR models. *Structural Chemistry*, **2011**, 22, 795-804	1.8	70
84	Alternative (non-animal) methods for cosmetics testing: current status and future prospects-2010. *Archives of Toxicology*, **2011**, 85, 367-485	5.8	398
83	QSAR modeling of nanomaterials. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2011**, 3, 298-306	9.2	99
82	Prediction of Acute Rodent Toxicity on the Basis of Chemical Structure and Physicochemical Similarity. *Molecular Informatics*, **2011**, 30, 267-75	3.8	11
81	Structural analysis and predictive value of the rodent in vivo micronucleus assay results. *Mutagenesis*, **2010**, 25, 335-41	2.8	50
80	Computational toxicology at the European Commission's Joint Research Centre. *Expert Opinion on Drug Metabolism and Toxicology*, **2010**, 6, 785-92	5.5	23
79	Computational methods to predict the reactivity of nanoparticles through structure-property relationships. *Expert Opinion on Drug Delivery*, **2010**, 7, 295-305	8	44
78	The Role of Qsar Methodology in the Regulatory Assessment of Chemicals. *Challenges and Advances in Computational Chemistry and Physics*, **2010**, 367-382	0.7	21
77	Prediction of acute toxicity to mice by the Arithmetic Mean Toxicity (AMT) modelling approach. *SAR and QSAR in Environmental Research*, **2010**, 21, 265-75	3.5	14
76	Thresholds of toxicological concern for endocrine active substances in the aquatic environment. *Integrated Environmental Assessment and Management*, **2010**, 6, 2-11	2.5	9
75	Overcoming barriers to validation of non-animal partial replacement methods/Integrated Testing Strategies: the report of an EPAA-ECVAM workshop. *ATLA Alternatives To Laboratory Animals*, **2009**, 37, 437-44	2.1	24
74	Modeling the structure-property relationships of nanoneedles: A journey toward nanomedicine. *Journal of Computational Chemistry*, **2009**, 30, 275-84	3.5	71
73	Structural motifs modulating the carcinogenic risk of aromatic amines. *Environmental and Molecular Mutagenesis*, **2009**, 50, 152-61	3.2	9
72	Toxmatch--a chemical classification and activity prediction tool based on similarity measures. *Regulatory Toxicology and Pharmacology*, **2008**, 52, 77-84	3.4	22
71	An evaluation of the implementation of the Cramer classification scheme in the Toxtree software. *SAR and QSAR in Environmental Research*, **2008**, 19, 495-524	3.5	245
70	A feasibility study developing an integrated testing strategy assessing skin irritation potential of chemicals. *Toxicology Letters*, **2008**, 180, 9-20	4.4	35
69	Publicly-accessible QSAR software tools developed by the Joint Research Centre. *SAR and QSAR in Environmental Research*, **2008**, 19, 785-99	3.5	46
68	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, 433-63	3.5	9

67	Toxmatch-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	3.5	58
66	Review of (Quantitative) Structure-Activity Relationships for Acute Aquatic Toxicity. *QSAR and Combinatorial Science*, **2008**, 27, 77-90		88
65	Review of Literature-Based Quantitative Structure-Activity Relationship Models for Bioconcentration. *QSAR and Combinatorial Science*, **2008**, 27, 21-31		38
64	A Review of (Q)SAR Models for Skin and Eye Irritation and Corrosion. *QSAR and Combinatorial Science*, **2008**, 27, 49-59		21
63	A Mini Review of Mammalian Toxicity (Q)SAR Models. *QSAR and Combinatorial Science*, **2008**, 27, 41-48		42
62	Review of Estimation Models for Biodegradation. *QSAR and Combinatorial Science*, **2008**, 27, 32-40		50
61	(Q)SARs for Predicting Effects Relating to Reproductive Toxicity. *QSAR and Combinatorial Science*, **2008**, 27, 91-100		37
60	The Integrated Use of Models for the Properties and Effects of Chemicals by means of a Structured Workflow. *QSAR and Combinatorial Science*, **2008**, 27, 6-20		25
59	Evaluation of SARs for the prediction of eye irritation/corrosion potential: structural inclusion rules in the BfR decision support system. *SAR and QSAR in Environmental Research*, **2007**, 18, 221-35	3.5	14
58	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	2.1	154
57	The ECVAM international validation study on in vitro tests for acute skin irritation: selection of test chemicals. *ATLA Alternatives To Laboratory Animals*, **2007**, 35, 603-19	2.1	34
56	In vivo kinetics of human natural killer cells: the effects of ageing and acute and chronic viral infection. *Immunology*, **2007**, 121, 258-65	7.8	181
55	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, 8035-40	11.5	89
54	Evaluation of SARs for the prediction of skin irritation/corrosion potential: structural inclusion rules in the BfR decision support system. *SAR and QSAR in Environmental Research*, **2007**, 18, 331-42	3.5	20
53	The role of the European Chemicals Bureau in promoting the regulatory use of (Q)SAR methods. *SAR and QSAR in Environmental Research*, **2007**, 18, 111-25	3.5	111
52	Prediction of estrogenicity: validation of a classification model. *SAR and QSAR in Environmental Research*, **2006**, 17, 195-223	3.5	36
51	Validation of a QSAR model for acute toxicity. *SAR and QSAR in Environmental Research*, **2006**, 17, 147-71	3.5	36
50	Validation of counter propagation neural network models for predictive toxicology according to the OECD principles: a case study. *SAR and QSAR in Environmental Research*, **2006**, 17, 265-84	3.5	44

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49	Quantitative structure-activity-activity and quantitative structure-activity investigations of human and rodent toxicity. *Chemosphere*, **2006**, 65, 1878-87	8.4	41
48	Metabolism: a bottleneck in in vitro toxicological test development. The report and recommendations of ECVAM workshop 54. *ATLA Alternatives To Laboratory Animals*, **2006**, 34, 49-84	2.1	124
47	Comparison of the applicability domain of a quantitative structure-activity relationship for estrogenicity with a large chemical inventory. *Environmental Toxicology and Chemistry*, **2006**, 25, 1223-30	3.8	36
46	3D QSAR investigation of the blood-brain barrier penetration of chemical compounds. *SAR and QSAR in Environmental Research*, **2005**, 16, 79-91	3.5	5
45	B-cell kinetics in humans: rapid turnover of peripheral blood memory cells. *Blood*, **2005**, 105, 3633-40	2.2	129
44	Skin sensitisation. *ATLA Alternatives To Laboratory Animals*, **2005**, 33 Suppl 1, 83-103	2.1	22
43	Eye irritation. *ATLA Alternatives To Laboratory Animals*, **2005**, 33 Suppl 1, 47-81	2.1	44
42	Toxicity Testing, Modeling **2005**, 288-293		2
41	A modular approach to the ECVAM principles on test validity. *ATLA Alternatives To Laboratory Animals*, **2004**, 32, 467-72	2.1	211
40	The principles of validation and the ECVAM validation process. *ATLA Alternatives To Laboratory Animals*, **2004**, 32 Suppl 1B, 623-9	2.1	8
39	Direct measurement of T cell subset kinetics in vivo in elderly men and women. *Journal of Immunology*, **2004**, 173, 1787-94	5.3	91
38	Qsar investigation of a large data set for fish, algae and Daphnia toxicity. *SAR and QSAR in Environmental Research*, **2004**, 15, 413-31	3.5	28
37	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, 345-58	3.5	22
36	QSARS for toxicity to the bacterium Sinorhizobium meliloti. *SAR and QSAR in Environmental Research*, **2004**, 15, 169-90	3.5	11
35	The prospects for using (Q)SARs in a changing political environment--high expectations and a key role for the European Commissions joint research centre. *SAR and QSAR in Environmental Research*, **2004**, 15, 331-43	3.5	45
34	A Framework for Promoting the Acceptance and Regulatory Use of (Quantitative) Structure-Activity Relationships **2004**,		2
33	ECVAMs response to the changing political environment for alternatives: consequences of the European Union chemicals and cosmetics policies. *ATLA Alternatives To Laboratory Animals*, **2003**, 31, 473-81	2.1	39
32	The Use of Computer Models as Alternatives to Animal Experiments in Chemical Risk Assessment. *ATLA Alternatives To Laboratory Animals*, **2003**, 31, 67-73	2.1	

31	Use of QSARs in international decision-making frameworks to predict health effects of chemical substances. *Environmental Health Perspectives*, **2003**, 111, 1391-401	8.4	205
30	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, 89-198	2.1	94
29	Quantitative structure-activity relationships for human health effects: commonalities with other endpoints. *Environmental Toxicology and Chemistry*, **2003**, 22, 1829-43	3.8	31
28	Use of QSARs in international decision-making frameworks to predict ecologic effects and environmental fate of chemical substances. *Environmental Health Perspectives*, **2003**, 111, 1376-90	8.4	169
27	Measurement and modeling of human T cell kinetics. *European Journal of Immunology*, **2003**, 33, 2316-26	6.1	96
26	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		52
25	Methods for reliability and uncertainty assessment and for applicability evaluations of classification- and regression-based QSARs. *Environmental Health Perspectives*, **2003**, 111, 1361-75	8.4	957
24	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. *ATLA Alternatives To Laboratory Animals*, **2002**, 30, 109-29	2.1	58
23	Reply to the Comment by Hoffmann et al.. *ATLA Alternatives To Laboratory Animals*, **2002**, 30, 555-557	2.1	
22	The principles of validation and the ECVAM validation process. *ATLA Alternatives To Laboratory Animals*, **2002**, 30 Suppl 2, 15-21	2.1	10
21	Structure-based classification of antibacterial activity. *Journal of Chemical Information and Computer Sciences*, **2002**, 42, 869-78		74
20	The importance of hydrophobicity and electrophilicity descriptors in mechanistically-based QSARs for toxicological endpoints. *SAR and QSAR in Environmental Research*, **2002**, 13, 167-76	3.5	49
19	ECVAM's activities on computer modelling and integrated testing. *ATLA Alternatives To Laboratory Animals*, **2002**, 30 Suppl 2, 133-7	2.1	1
18	The use of pH measurements to predict the potential of chemicals to cause acute dermal and ocular toxicity. *Toxicology*, **2001**, 169, 119-31	4.4	28
17	Prediction models for eye irritation potential based on endpoints of the HETCAM and neutral red uptake tests. *In Vitro & Molecular Toxicology*, **2001**, 14, 143-56		11
16	Establishment of an in vitro reporter gene assay for developmental cardiac toxicity. *Toxicology in Vitro*, **2001**, 15, 215-23	3.6	50
15	The use of genetically engineered cells for assessing CYP2D6-related polymorphic effects. *Toxicology in Vitro*, **2001**, 15, 553-6	3.6	11
14	Improving the application of quantitative methods in validation work. *Toxicology in Vitro*, **2001**, 15, 601-4	3.6	

13	The role of ECVAM in promoting the regulatory acceptance of alternative methods in the European Union. European Centre for the Validation of Alternative Methods. *ATLA Alternatives To Laboratory Animals*, **2001**, 29, 525-35	2.1	23
12	The use of bootstrap resampling to assess the uncertainty of cooper statistics. *ATLA Alternatives To Laboratory Animals*, **2001**, 29, 447-59	2.1	12
11	The importance of the prediction model in the validation of alternative tests. *ATLA Alternatives To Laboratory Animals*, **2001**, 29, 135-44	2.1	35
10	ECVAM News & Views. *ATLA Alternatives To Laboratory Animals*, **2001**, 29, 391-392	2.1	2
9	The use of bootstrap resampling to assess the variability of Draize tissue scores. *ATLA Alternatives To Laboratory Animals*, **2001**, 29, 557-73	2.1	11
8	Structure-permeability Relationships for Transcorneal Penetration. *ATLA Alternatives To Laboratory Animals*, **2000**, 28, 403-13	2.1	14
7	A general approach for evaluating stepwise testing strategies. *ATLA Alternatives To Laboratory Animals*, **1999**, 27, 161-77	2.1	11
6	Embedded Cluster Modelling A novel method for analysing embedded data sets. *QSAR and Combinatorial Science*, **1999**, 18, 229-235		13
5	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, 471-82	3.6	51
4	An Evaluation of the Proposed OECD Testing Strategy for Skin Corrosion. *ATLA Alternatives To Laboratory Animals*, **1998**, 26, 709-720	2.1	9
3	The Development and Validation of Expert Systems for Predicting Toxicity: The Report and Recommendations of an ECVAM/ECB Workshop (ECVAM Workshop 24)1,2. *ATLA Alternatives To Laboratory Animals*, **1997**, 25, 223-251	2.1	86
2	Environmental Modelling Based on a Structural Fragments Approach. *Indoor and Built Environment*, **1996**, 5, 334-340	1.8	
1	Computational Tools for Regulatory Needs751-775		8