

Russell S Thomas

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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.

161 papers	8,292 citations	52 h-index	86 g-index
167 ext. papers	9,749 ext. citations	4.8 avg, IF	5.62 L-index

#	Paper	IF	Citations
161	The MicroArray Quality Control (MAQC)-II study of common practices for the development and validation of microarray-based predictive models. <i>Nature Biotechnology</i> , 2010 , 28, 827-38	44.5	644
160	ToxCast Chemical Landscape: Paving the Road to 21st Century Toxicology. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1225-51	4	301
159	Integration of dosimetry, exposure, and high-throughput screening data in chemical toxicity assessment. <i>Toxicological Sciences</i> , 2012 , 125, 157-74	4.4	280
158	Identification of toxicologically predictive gene sets using cDNA microarrays. <i>Molecular Pharmacology</i> , 2001 , 60, 1189-94	4.3	227
157	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18 In Vitro High-Throughput Screening Assays for the Estrogen Receptor. <i>Toxicological Sciences</i> , 2015 , 148, 137-54	4.4	201
156	Incorporating new technologies into toxicity testing and risk assessment: moving from 21st century vision to a data-driven framework. <i>Toxicological Sciences</i> , 2013 , 136, 4-18	4.4	195
155	Incorporating human dosimetry and exposure into high-throughput in vitro toxicity screening. <i>Toxicological Sciences</i> , 2010 , 117, 348-58	4.4	189
154	A comparison of batch effect removal methods for enhancement of prediction performance using MAQC-II microarray gene expression data. <i>Pharmacogenomics Journal</i> , 2010 , 10, 278-91	3.5	188
153	Screening Chemicals for Estrogen Receptor Bioactivity Using a Computational Model. <i>Environmental Science & Technology</i> , 2015 , 49, 8804-14	10.3	183
152	Estimating toxicity-related biological pathway altering doses for high-throughput chemical risk assessment. <i>Chemical Research in Toxicology</i> , 2011 , 24, 451-62	4	166
151	Incorporating High-Throughput Exposure Predictions With Dosimetry-Adjusted In Vitro Bioactivity to Inform Chemical Toxicity Testing. <i>Toxicological Sciences</i> , 2015 , 148, 121-36	4.4	148
150	A method to integrate benchmark dose estimates with genomic data to assess the functional effects of chemical exposure. <i>Toxicological Sciences</i> , 2007 , 98, 240-8	4.4	144
149	BMDExpress: a software tool for the benchmark dose analyses of genomic data. <i>BMC Genomics</i> , 2007 , 8, 387	4.5	132
148	Editor's Highlight: Analysis of the Effects of Cell Stress and Cytotoxicity on In Vitro Assay Activity Across a Diverse Chemical and Assay Space. <i>Toxicological Sciences</i> , 2016 , 152, 323-39	4.4	125
147	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. <i>Toxicological Sciences</i> , 2019 , 169, 317-332	4.4	121
146	A comprehensive statistical analysis of predicting in vivo hazard using high-throughput in vitro screening. <i>Toxicological Sciences</i> , 2012 , 128, 398-417	4.4	119
145	Temporal concordance between apical and transcriptional points of departure for chemical risk assessment. <i>Toxicological Sciences</i> , 2013 , 134, 180-94	4.4	118

144	Development and Validation of a Computational Model for Androgen Receptor Activity. <i>Chemical Research in Toxicology</i> , 2017 , 30, 946-964	4	114
143	IVT-seq reveals extreme bias in RNA sequencing. <i>Genome Biology</i> , 2014 , 15, R86	18.3	110
142	Formaldehyde: integrating dosimetry, cytotoxicity, and genomics to understand dose-dependent transitions for an endogenous compound. <i>Toxicological Sciences</i> , 2010 , 118, 716-31	4.4	102
141	Genome-wide analysis of human HSF1 signaling reveals a transcriptional program linked to cellular adaptation and survival. <i>Molecular BioSystems</i> , 2006 , 2, 627-39		99
140	Application of transcriptional benchmark dose values in quantitative cancer and noncancer risk assessment. <i>Toxicological Sciences</i> , 2011 , 120, 194-205	4.4	98
139	Predicting hepatotoxicity using ToxCast in vitro bioactivity and chemical structure. <i>Chemical Research in Toxicology</i> , 2015 , 28, 738-51	4	96
138	A multi-stakeholder perspective on the use of alternative test strategies for nanomaterial safety assessment. <i>ACS Nano</i> , 2013 , 7, 6422-33	16.7	96
137	In vitro and modelling approaches to risk assessment from the U.S. Environmental Protection Agency ToxCast programme. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014 , 115, 69-76	3.1	96
136	Genome-scale functional profiling of the mammalian AP-1 signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12153-8	11.5	94
135	Relative impact of incorporating pharmacokinetics on predicting in vivo hazard and mode of action from high-throughput in vitro toxicity assays. <i>Toxicological Sciences</i> , 2013 , 132, 327-46	4.4	92
134	Aryl hydrocarbon receptor regulates cell cycle progression in human breast cancer cells via a functional interaction with cyclin-dependent kinase 4. <i>Molecular Pharmacology</i> , 2010 , 77, 195-201	4.3	90
133	Toxicokinetic Triage for Environmental Chemicals. <i>Toxicological Sciences</i> , 2015 , 147, 55-67	4.4	89
132	Recommended approaches in the application of toxicogenomics to derive points of departure for chemical risk assessment. <i>Archives of Toxicology</i> , 2017 , 91, 2045-2065	5.8	82
131	Activation of the aryl-hydrocarbon receptor inhibits invasive and metastatic features of human breast cancer cells and promotes breast cancer cell differentiation. <i>Molecular Endocrinology</i> , 2010 , 24, 359-69		81
130	The US Federal Tox21 Program: A strategic and operational plan for continued leadership. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018 , 35, 163-168	4.3	78
129	Integrating pathway-based transcriptomic data into quantitative chemical risk assessment: a five chemical case study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 746, 135-43	3	75
128	Genomic signatures and dose-dependent transitions in nasal epithelial responses to inhaled formaldehyde in the rat. <i>Toxicological Sciences</i> , 2008 , 105, 368-83	4.4	73
127	Variability in biological exposure indices using physiologically based pharmacokinetic modeling and Monte Carlo simulation. <i>AIHA Journal</i> , 1996 , 57, 23-32		73

126	Accelerating the Pace of Chemical Risk Assessment. <i>Chemical Research in Toxicology</i> , 2018 , 31, 287-290	4	72
125	Dose-dependent transitions in Nrf2-mediated adaptive response and related stress responses to hypochlorous acid in mouse macrophages. <i>Toxicology and Applied Pharmacology</i> , 2009 , 238, 27-36	4.6	67
124	Systems toxicology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012 , 29, 119-28	4.3	66
123	EDGE: a centralized resource for the comparison, analysis, and distribution of toxicogenomic information. <i>Molecular Pharmacology</i> , 2005 , 67, 1360-8	4.3	65
122	Quantitative analyses and transcriptomic profiling of circulating messenger RNAs as biomarkers of rat liver injury. <i>Hepatology</i> , 2010 , 51, 2127-39	11.2	64
121	Evaluating In Vitro-In Vivo Extrapolation of Toxicokinetics. <i>Toxicological Sciences</i> , 2018 , 163, 152-169	4.4	63
120	Aryl hydrocarbon receptor deficiency causes dysregulated cellular matrix metabolism and age-related macular degeneration-like pathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E4069-78	11.5	62
119	Identification of chemical modulators of the constitutive activated receptor (CAR) in a gene expression compendium. <i>Nuclear Receptor Signaling</i> , 2015 , 13, e002	1	61
118	Incorporating population variability and susceptible subpopulations into dosimetry for high-throughput toxicity testing. <i>Toxicological Sciences</i> , 2014 , 142, 210-24	4.4	60
117	The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , 2016 , 124, 1671-1682	8.4	59
116	Cross-species comparisons of transcriptomic alterations in human and rat primary hepatocytes exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicological Sciences</i> , 2012 , 127, 199-215	4.4	58
115	Application of genomic biomarkers to predict increased lung tumor incidence in 2-year rodent cancer bioassays. <i>Toxicological Sciences</i> , 2007 , 97, 55-64	4.4	58
114	BMDExpress 2: enhanced transcriptomic dose-response analysis workflow. <i>Bioinformatics</i> , 2019 , 35, 1780-1785	11.2	58
113	Knockout of the aryl hydrocarbon receptor results in distinct hepatic and renal phenotypes in rats and mice. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 503-18	4.6	56
112	Using ToxCast Data to Reconstruct Dynamic Cell State Trajectories and Estimate Toxicological Points of Departure. <i>Environmental Health Perspectives</i> , 2016 , 124, 910-9	8.4	55
111	Suspect Screening Analysis of Chemicals in Consumer Products. <i>Environmental Science & Technology</i> , 2018 , 52, 3125-3135	10.3	52
110	Utility of In Vitro Bioactivity as a Lower Bound Estimate of In Vivo Adverse Effect Levels and in Risk-Based Prioritization. <i>Toxicological Sciences</i> , 2020 , 173, 202-225	4.4	52
109	A comparison of transcriptomic and metabonomic technologies for identifying biomarkers predictive of two-year rodent cancer bioassays. <i>Toxicological Sciences</i> , 2007 , 96, 40-6	4.4	51

108	Sequence variation and phylogenetic history of the mouse Ahr gene. <i>Pharmacogenetics and Genomics</i> , 2002 , 12, 151-63		51
107	Identification of modulators of the nuclear receptor peroxisome proliferator-activated receptor β (PPAR β) in a mouse liver gene expression compendium. <i>PLoS ONE</i> , 2015 , 10, e0112655	3.7	49
106	Systematically evaluating read-across prediction and performance using a local validity approach characterized by chemical structure and bioactivity information. <i>Regulatory Toxicology and Pharmacology</i> , 2016 , 79, 12-24	3.4	48
105	Technical guide for applications of gene expression profiling in human health risk assessment of environmental chemicals. <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 72, 292-309	3.4	48
104	Concentration- and time-dependent genomic changes in the mouse urinary bladder following exposure to arsenate in drinking water for up to 12 weeks. <i>Toxicological Sciences</i> , 2011 , 123, 421-32	4.4	46
103	Comparison of microarrays and RNA-seq for gene expression analyses of dose-response experiments. <i>Toxicological Sciences</i> , 2014 , 137, 385-403	4.4	44
102	The human toxome project. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015 , 32, 112-24	4.3	43
101	A Chemical Category-Based Prioritization Approach for Selecting 75 Per- and Polyfluoroalkyl Substances (PFAS) for Tiered Toxicity and Toxicokinetic Testing. <i>Environmental Health Perspectives</i> , 2019 , 127, 14501	8.4	43
100	Regulation of aryl hydrocarbon receptor function by selective estrogen receptor modulators. <i>Molecular Endocrinology</i> , 2010 , 24, 33-46		42
99	Expression profiling in canine osteosarcoma: identification of biomarkers and pathways associated with outcome. <i>BMC Cancer</i> , 2010 , 10, 506	4.8	42
98	New directions in incidence-dose modeling. <i>Trends in Biotechnology</i> , 2005 , 23, 122-7	15.1	41
97	An integrated genomic analysis of aryl hydrocarbon receptor-mediated inhibition of B-cell differentiation. <i>Toxicological Sciences</i> , 2010 , 118, 454-69	4.4	40
96	The Tox21 10K Compound Library: Collaborative Chemistry Advancing Toxicology. <i>Chemical Research in Toxicology</i> , 2021 , 34, 189-216	4	40
95	Screening a mouse liver gene expression compendium identifies modulators of the aryl hydrocarbon receptor (AhR). <i>Toxicology</i> , 2015 , 336, 99-112	4.4	39
94	Genome-wide analysis of DNA methylation and gene expression changes in the mouse lung following subchronic arsenate exposure. <i>Toxicological Sciences</i> , 2010 , 117, 404-17	4.4	38
93	Physiologically based pharmacokinetic/pharmacodynamic modeling of the toxicologic interaction between carbon tetrachloride and Kepone. <i>Archives of Toxicology</i> , 1996 , 70, 704-13	5.8	38
92	The aryl hydrocarbon receptor interacts with ATP5 β , a subunit of the ATP synthase complex, and modulates mitochondrial function. <i>Toxicology and Applied Pharmacology</i> , 2011 , 254, 299-310	4.6	37
91	Use of short-term transcriptional profiles to assess the long-term cancer-related safety of environmental and industrial chemicals. <i>Toxicological Sciences</i> , 2009 , 112, 311-21	4.4	37

90	The application of physiologically based pharmacokinetic/pharmacodynamic (PBPK/PD) modeling for exploring risk assessment approaches of chemical mixtures. <i>Toxicology Letters</i> , 1995 , 79, 193-200	4.4	37
89	Functional analysis of multiple genomic signatures demonstrates that classification algorithms choose phenotype-related genes. <i>Pharmacogenomics Journal</i> , 2010 , 10, 310-23	3.5	36
88	Systems pharmacology assessment of the 5-fluorouracil pathway. <i>Pharmacogenomics</i> , 2011 , 12, 341-50	2.6	36
87	SEURAT: Safety Evaluation Ultimately Replacing Animal Testing--recommendations for future research in the field of predictive toxicology. <i>Archives of Toxicology</i> , 2015 , 89, 15-23	5.8	35
86	Physiologically based pharmacokinetic/pharmacodynamic modeling of chemical mixtures and possible applications in risk assessment. <i>Toxicology</i> , 1995 , 105, 275-82	4.4	35
85	A bistable switch underlying B-cell differentiation and its disruption by the environmental contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicological Sciences</i> , 2010 , 115, 51-65	4.4	33
84	Application of genomics to toxicology research. <i>Environmental Health Perspectives</i> , 2002 , 110 Suppl 6, 919-23	8.4	33
83	Editor's Highlight: Application of Gene Set Enrichment Analysis for Identification of Chemically Induced, Biologically Relevant Transcriptomic Networks and Potential Utilization in Human Health Risk Assessment. <i>Toxicological Sciences</i> , 2017 , 157, 85-99	4.4	32
82	Predicting Organ Toxicity Using in Vitro Bioactivity Data and Chemical Structure. <i>Chemical Research in Toxicology</i> , 2017 , 30, 2046-2059	4	31
81	The SEURAT-1 approach towards animal free human safety assessment. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015 , 32, 9-24	4.3	31
80	Chemical mixture toxicology: from descriptive to mechanistic, and going on to in silico toxicology. <i>Environmental Toxicology and Pharmacology</i> , 2004 , 18, 65-81	5.8	30
79	Aryl hydrocarbon receptor knock-out exacerbates choroidal neovascularization via multiple pathogenic pathways. <i>Journal of Pathology</i> , 2015 , 235, 101-12	9.4	29
78	On selecting a minimal set of in vitro assays to reliably determine estrogen agonist activity. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 91, 39-49	3.4	27
77	Systems Biology and Biomarkers of Early Effects for Occupational Exposure Limit Setting. <i>Journal of Occupational and Environmental Hygiene</i> , 2015 , 12 Suppl 1, S41-54	2.9	27
76	Chemical Risk Assessment: Traditional vs Public Health Perspectives. <i>American Journal of Public Health</i> , 2017 , 107, 1032-1039	5.1	26
75	Lineage-dependent effects of aryl hydrocarbon receptor agonists contribute to liver tumorigenesis. <i>Hepatology</i> , 2015 , 61, 548-60	11.2	26
74	Cross-species transcriptomic analysis of mouse and rat lung exposed to chloroprene. <i>Toxicological Sciences</i> , 2013 , 131, 629-40	4.4	25
73	Evaluation of gene expression changes in human primary uroepithelial cells following 24-hr exposures to inorganic arsenic and its methylated metabolites. <i>Environmental and Molecular Mutagenesis</i> , 2013 , 54, 82-98	3.2	25

72	mRNA transfection retrofits cell-based assays with xenobiotic metabolism. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018 , 92, 77-94	1.7	24
71	Dose-response modeling in reproductive toxicology in the systems biology era. <i>Reproductive Toxicology</i> , 2005 , 19, 327-37	3.4	24
70	Considerations for Strategic Use of High-Throughput Transcriptomics Chemical Screening Data in Regulatory Decisions. <i>Current Opinion in Toxicology</i> , 2019 , 15, 64-75	4.4	23
69	Using the concordance of in vitro and in vivo data to evaluate extrapolation assumptions. <i>PLoS ONE</i> , 2019 , 14, e0217564	3.7	22
68	Transcriptional responses in the rat nasal epithelium following subchronic inhalation of naphthalene vapor. <i>Toxicology and Applied Pharmacology</i> , 2014 , 280, 78-85	4.6	22
67	Regulation of Bach2 by the aryl hydrocarbon receptor as a mechanism for suppression of B-cell differentiation by 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 2011 , 252, 150-8	4.6	22
66	Gene expression changes following acute hydrogen sulfide (H ₂ S)-induced nasal respiratory epithelial injury. <i>Toxicologic Pathology</i> , 2008 , 36, 560-7	2.1	22
65	Genomic analysis of human lung fibroblasts exposed to vanadium pentoxide to identify candidate genes for occupational bronchitis. <i>Respiratory Research</i> , 2007 , 8, 34	7.3	22
64	MYC is an early response regulator of human adipogenesis in adipose stem cells. <i>PLoS ONE</i> , 2014 , 9, e114133	4.7	22
63	BMDEExpress Data Viewer - a visualization tool to analyze BMDEExpress datasets. <i>Journal of Applied Toxicology</i> , 2016 , 36, 1048-59	4.1	21
62	Evaluation of androgen assay results using a curated Hershberger database. <i>Reproductive Toxicology</i> , 2018 , 81, 272-280	3.4	21
61	Stochastic modeling of B lymphocyte terminal differentiation and its suppression by dioxin. <i>BMC Systems Biology</i> , 2010 , 4, 40	3.5	19
60	Research toward the development of a biologically based dose response assessment for inorganic arsenic carcinogenicity: a progress report. <i>Toxicology and Applied Pharmacology</i> , 2007 , 222, 388-98	4.6	19
59	Assessing Toxicokinetic Uncertainty and Variability in Risk Prioritization. <i>Toxicological Sciences</i> , 2019 , 172, 235-251	4.4	18
58	Aryl hydrocarbon receptor knockout rats are insensitive to the pathological effects of repeated oral exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Journal of Applied Toxicology</i> , 2016 , 36, 802-14	4.1	18
57	Profiling the ToxCast Library With a Pluripotent Human (H9) Stem Cell Line-Based Biomarker Assay for Developmental Toxicity. <i>Toxicological Sciences</i> , 2020 , 174, 189-209	4.4	17
56	A functional map of NFkappaB signaling identifies novel modulators and multiple system controls. <i>Genome Biology</i> , 2007 , 8, R104	18.3	16
55	Development of a curated Hershberger database. <i>Reproductive Toxicology</i> , 2018 , 81, 259-271	3.4	16

54	Biological networks for predicting chemical hepatocarcinogenicity using gene expression data from treated mice and relevance across human and rat species. <i>PLoS ONE</i> , 2013 , 8, e63308	3.7	15
53	High-Throughput Transcriptomics Platform for Screening Environmental Chemicals. <i>Toxicological Sciences</i> , 2021 , 181, 68-89	4.4	15
52	Immunological characterization of the aryl hydrocarbon receptor (AHR) knockout rat in the presence and absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). <i>Toxicology</i> , 2016 , 368-369, 172-182	4.4	14
51	All-or-none suppression of B cell terminal differentiation by environmental contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 2013 , 268, 17-26	4.6	14
50	Hexabromocyclododecane (HBCD): A case study applying tiered testing for human health risk assessment. <i>Food and Chemical Toxicology</i> , 2019 , 131, 110581	4.7	13
49	Subchronic toxicity evaluation of potassium bromate in Fischer 344 rats. <i>Environmental Toxicology and Pharmacology</i> , 2013 , 36, 1227-34	5.8	13
48	Development of 3D dynamic flow model of human liver and its application to prediction of metabolic clearance of 7-ethoxycoumarin. <i>Tissue Engineering - Part C: Methods</i> , 2014 , 20, 641-51	2.9	13
47	Stochastic simulation of hepatic preneoplastic foci development for four chlorobenzene congeners in a medium-term bioassay. <i>Toxicological Sciences</i> , 2003 , 73, 301-14	4.4	13
46	Use of a medium-term liver focus bioassay to assess the hepatocarcinogenicity of 1,2,4,5-tetrachlorobenzene and 1,4-dichlorobenzene. <i>Cancer Letters</i> , 1998 , 129, 39-44	9.9	12
45	Variability in studies: Defining the upper limit of performance for predictions of systemic effect levels. <i>Computational Toxicology</i> , 2020 , 15, 1-100126	3.1	11
44	The Aryl-Hydrocarbon Receptor Protein Interaction Network (AHR-PIN) as Identified by Tandem Affinity Purification (TAP) and Mass Spectrometry. <i>Journal of Toxicology</i> , 2013 , 2013, 279829	3.1	11
43	Immune cell-based screening assay for response to anticancer agents: applications in pharmacogenomics. <i>Pharmacogenomics and Personalized Medicine</i> , 2015 , 8, 81-98	2.1	10
42	Quantitative Property-Property Relationship for Screening-Level Prediction of Intrinsic Clearance: A Tool for Exposure Modeling for High-Throughput Toxicity Screening Data. <i>Applied in Vitro Toxicology</i> , 2015 , 1, 140-146	1.3	9
41	A genomics-based analysis of relative potencies of dioxin-like compounds in primary rat hepatocytes. <i>Toxicological Sciences</i> , 2013 , 136, 595-604	4.4	9
40	Biological responses in rats exposed to cigarette smoke and Middle East sand (dust). <i>Inhalation Toxicology</i> , 2012 , 24, 109-24	2.7	9
39	Enhanced regional expression of glutathione S-transferase P1-1 with colocalized AP-1 and CYP 1A2 induction in chlorobenzene-induced porphyria. <i>Toxicology and Applied Pharmacology</i> , 1998 , 150, 22-31	4.6	9
38	Subchronic hepatotoxicity evaluation of hydrazobenzene in Fischer 344 rats. <i>International Journal of Toxicology</i> , 2012 , 31, 564-71	2.4	8
37	A physiologically based pharmacodynamic analysis of hepatic foci within a medium-term liver bioassay using pentachlorobenzene as a promoter and diethylnitrosamine as an initiator. <i>Toxicology and Applied Pharmacology</i> , 2000 , 166, 128-37	4.6	8

36	Evidence for hepatocarcinogenic activity of pentachlorobenzene with intralobular variation in foci incidence. <i>Carcinogenesis</i> , 1998 , 19, 1855-62	4.6	8
35	Development of an In Vitro Human Thyroid Microtissue Model for Chemical Screening. <i>Toxicological Sciences</i> , 2020 , 174, 63-78	4.4	8
34	Case Studies in Cellular Stress: Defining Adversity/Adaptation Tipping Points. <i>Applied in Vitro Toxicology</i> , 2017 , 3, 199-210	1.3	7
33	Response to Incorporating Biological, Chemical, and Toxicological Knowledge Into Predictive Models of Toxicity. <i>Toxicological Sciences</i> , 2012 , 130, 442-443	4.4	7
32	Developing toxicologically predictive gene sets using cDNA microarrays and Bayesian classification. <i>Methods in Enzymology</i> , 2002 , 357, 198-205	1.7	7
31	Plutonium concentrations in lichens of Rocky Flats environs. <i>Health Physics</i> , 1995 , 68, 311-9	2.3	7
30	Workflow for defining reference chemicals for assessing performance of in vitro assays. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 261-276	4.3	7
29	The Alginate Immobilization of Metabolic Enzymes Platform Retrofits an Estrogen Receptor Transactivation Assay With Metabolic Competence. <i>Toxicological Sciences</i> , 2020 , 178, 281-301	4.4	7
28	Risk science in the 21st century: a data-driven framework for incorporating new technologies into chemical safety assessment. <i>International Journal of Risk Assessment and Management</i> , 2017 , 20, 88	0.9	6
27	Comment on "On the Utility of ToxCast and ToxPi as Methods for Identifying New Obesogens". <i>Environmental Health Perspectives</i> , 2017 , 125, A8-A11	8.4	6
26	Subchronic hepatotoxicity evaluation of bromobenzene in Fischer 344 rats. <i>Journal of Applied Toxicology</i> , 2013 , 33, 370-7	4.1	6
25	Subchronic hepatotoxicity evaluation of 1,2,4-tribromobenzene in Sprague-Dawley rats. <i>International Journal of Toxicology</i> , 2012 , 31, 250-6	2.4	6
24	Assessing bioactivity-exposure profiles of fruit and vegetable extracts in the BioMAP profiling system. <i>Toxicology in Vitro</i> , 2019 , 54, 41-57	3.6	6
23	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 125, 105020	3.4	6
22	A cellular genetics approach identifies gene-drug interactions and pinpoints drug toxicity pathway nodes. <i>Frontiers in Genetics</i> , 2014 , 5, 272	4.5	5
21	Loss of Hif-2 Rescues the Hif-1 Deletion Phenotype of Neonatal Respiratory Distress In Mice. <i>PLoS ONE</i> , 2015 , 10, e0139270	3.7	5
20	Bringing together scientific disciplines for collaborative undertakings: a vision for advancing the adverse outcome pathway framework. <i>International Journal of Radiation Biology</i> , 2021 , 97, 431-441	2.9	5
19	Paving the way for application of next generation risk assessment to safety decision-making for cosmetic ingredients. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 125, 105026	3.4	5

18	Identifying genes that mediate anthracycline toxicity in immune cells. <i>Frontiers in Pharmacology</i> , 2015 , 6, 62	5.6	4
17	Subchronic thyroid toxicity evaluation of 4,4'-methylenebis(N,N'-dimethyl)aniline in Fischer 344 rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012 , 75, 637-48	3.2	4
16	Subchronic urinary bladder toxicity evaluation of N-Nitrosodiphenylamine in Fischer 344 rats. <i>Journal of Applied Toxicology</i> , 2013 , 33, 383-9	4.1	4
15	Basal gene expression in male and female Sprague-Dawley rat nasal respiratory and olfactory epithelium. <i>Inhalation Toxicology</i> , 2007 , 19, 941-9	2.7	4
14	Incorporating Monte Carlo Simulation into Physiologically Based Pharmacokinetic Models Using Advanced Continuous Simulation Language (ACSL): A Computational Method. <i>Toxicological Sciences</i> , 1996 , 31, 19-28	4.4	4
13	NetAtlas: a Cytoscape plugin to examine signaling networks based on tissue gene expression. <i>In Silico Biology</i> , 2008 , 8, 47-52	2	4
12	In utero exposure to chloroquine alters sexual development in the male fetal rat. <i>Toxicology and Applied Pharmacology</i> , 2009 , 237, 366-74	4.6	3
11	Subchronic hepatotoxicity evaluation of 2,3,4,6-tetrachlorophenol in sprague dawley rats. <i>Journal of Toxicology</i> , 2012 , 2012, 376246	3.1	2
10	Incorporating Human Dosimetry and Exposure Information with HighThroughput Screening Data in Chemical Toxicity Assessment 2013 , 77-95		2
9	Chemical Screening in an Estrogen Receptor Transactivation Assay with Metabolic Competence.. <i>Toxicological Sciences</i> , 2022 ,	4.4	1
8	Implementing in vitro bioactivity data to modernize priority setting of chemical inventories. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021 ,	4.3	1
7	Application of DNA microarrays for predicting toxicity and evaluating cross-species extrapolation 2003 , 31-38		1
6	Subchronic toxicity evaluation of anthraquinone in Fischer 344 rats. <i>International Journal of Toxicology</i> , 2013 , 32, 358-67	2.4	0
5	Analysis of Transcriptomic DoseResponse Data for Toxicology and Risk Assessment 2011 , 237-250		0
4	Estimating Hepatotoxic Doses Using High-Content Imaging in Primary Hepatocytes. <i>Toxicological Sciences</i> , 2021 , 183, 285-301	4.4	0
3	Changing the Paradigm of Toxicity Testing From Observational to Predictive: An Update on Two Global In Vitro Screening Initiatives. <i>Applied in Vitro Toxicology</i> , 2015 , 1, 91-98	1.3	
2	Response to "Accurate Risk-Based Chemical Screening * Relies on Robust Exposure Estimates". <i>Toxicological Sciences</i> , 2012 , 128, 297-299	4.4	
1	The identification of protein kinase C iota as a regulator of the Mammalian heat shock response using functional genomic screens. <i>PLoS ONE</i> , 2010 , 5, e11850	3.7	

