Russell S Thomas

List of Publications by Year in Descending Order

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	Chemical Screening in an Estrogen Receptor Transactivation Assay with Metabolic Competence.. *Toxicological Sciences*, **2022**,	4.4	1
160	Implementing in vitro bioactivity data to modernize priority setting of chemical inventories. *ALTEX: Alternatives To Animal Experimentation*, **2021**,	4.3	1
159	Bringing together scientific disciplines for collaborative undertakings: a vision for advancing the adverse outcome pathway framework. *International Journal of Radiation Biology*, **2021**, 97, 431-441	2.9	5
158	Estimating Hepatotoxic Doses Using High-Content Imaging in Primary Hepatocytes. *Toxicological Sciences*, **2021**, 183, 285-301	4.4	0
157	The Tox21 10K Compound Library: Collaborative Chemistry Advancing Toxicology. *Chemical Research in Toxicology*, **2021**, 34, 189-216	4	40
156	High-Throughput Transcriptomics Platform for Screening Environmental Chemicals. *Toxicological Sciences*, **2021**, 181, 68-89	4.4	15
155	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. *Regulatory Toxicology and Pharmacology*, **2021**, 125, 105020	3.4	6
154	Paving the way for application of next generation risk assessment to safety decision-making for cosmetic ingredients. *Regulatory Toxicology and Pharmacology*, **2021**, 125, 105026	3.4	5
153	Variability in studies: Defining the upper limit of performance for predictions of systemic effect levels. *Computational Toxicology*, **2020**, 15, 1-100126	3.1	11
152	Profiling the ToxCast Library With a Pluripotent Human (H9) Stem Cell Line-Based Biomarker Assay for Developmental Toxicity. *Toxicological Sciences*, **2020**, 174, 189-209	4.4	17
151	Development of an In Vitro Human Thyroid Microtissue Model for Chemical Screening. *Toxicological Sciences*, **2020**, 174, 63-78	4.4	8
150	The Alginate Immobilization of Metabolic Enzymes Platform Retrofits an Estrogen Receptor Transactivation Assay With Metabolic Competence. *Toxicological Sciences*, **2020**, 178, 281-301	4.4	7
149	Utility of In Vitro Bioactivity as a Lower Bound Estimate of In Vivo Adverse Effect Levels and in Risk-Based Prioritization. *Toxicological Sciences*, **2020**, 173, 202-225	4.4	52
148	Assessing Toxicokinetic Uncertainty and Variability in Risk Prioritization. *Toxicological Sciences*, **2019**, 172, 235-251	4.4	18
147	Using the concordance of in vitro and in vivo data to evaluate extrapolation assumptions. *PLoS ONE* , **2019**, 14, e0217564	3.7	22
146	Considerations for Strategic Use of High-Throughput Transcriptomics Chemical Screening Data in Regulatory Decisions. *Current Opinion in Toxicology*, **2019**, 15, 64-75	4.4	23
145	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. *Toxicological Sciences*, **2019**, 169, 317-332	4.4	121

144	Hexabromocyclododecane (HBCD): A case study applying tiered testing for human health risk assessment. *Food and Chemical Toxicology*, **2019**, 131, 110581	4.7	13
143	Workflow for defining reference chemicals for assessing performance of in vitro assays. *ALTEX: Alternatives To Animal Experimentation*, **2019**, 36, 261-276	4.3	7
142	A Chemical Category-Based Prioritization Approach for Selecting 75 Per- and Polyfluoroalkyl Substances (PFAS) for Tiered Toxicity and Toxicokinetic Testing. *Environmental Health Perspectives*, **2019**, 127, 14501	8.4	43
141	BMDExpress 2: enhanced transcriptomic dose-response analysis workflow. *Bioinformatics*, **2019**, 35, 1780-1782	7.1	58
140	Assessing bioactivity-exposure profiles of fruit and vegetable extracts in the BioMAP profiling system. *Toxicology in Vitro*, **2019**, 54, 41-57	3.6	6
139	Evaluating In Vitro-In Vivo Extrapolation of Toxicokinetics. *Toxicological Sciences*, **2018**, 163, 152-169	4.4	63
138	Suspect Screening Analysis of Chemicals in Consumer Products. *Environmental Science & Technology*, **2018**, 52, 3125-3135	10.3	52
137	Accelerating the Pace of Chemical Risk Assessment. *Chemical Research in Toxicology*, **2018**, 31, 287-290	4	72
136	mRNA transfection retrofits cell-based assays with xenobiotic metabolism. *Journal of Pharmacological and Toxicological Methods*, **2018**, 92, 77-94	1.7	24
135	The US Federal Tox21 Program: A strategic and operational plan for continued leadership. *ALTEX: Alternatives To Animal Experimentation*, **2018**, 35, 163-168	4.3	78
134	Development of a curated Hershberger database. *Reproductive Toxicology*, **2018**, 81, 259-271	3.4	16
133	Evaluation of androgen assay results using a curated Hershberger database. *Reproductive Toxicology*, **2018**, 81, 272-280	3.4	21
132	Recommended approaches in the application of toxicogenomics to derive points of departure for chemical risk assessment. *Archives of Toxicology*, **2017**, 91, 2045-2065	5.8	82
131	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. *Toxicological Sciences*, **2017**, 157, 85-99	4.4	32
130	Case Studies in Cellular Stress: Defining Adversity/Adaptation Tipping Points. *Applied in Vitro Toxicology*, **2017**, 3, 199-210	1.3	7
129	Chemical Risk Assessment: Traditional vs Public Health Perspectives. *American Journal of Public Health*, **2017**, 107, 1032-1039	5.1	26
128	Development and Validation of a Computational Model for Androgen Receptor Activity. *Chemical Research in Toxicology*, **2017**, 30, 946-964	4	114
127	Risk science in the 21st century: a data-driven framework for incorporating new technologies into chemical safety assessment. *International Journal of Risk Assessment and Management*, **2017**, 20, 88	0.9	6

126	On selecting a minimal set of in vitro assays to reliably determine estrogen agonist activity. *Regulatory Toxicology and Pharmacology*, **2017**, 91, 39-49	3.4	27
125	Comment on "On the Utility of ToxCast and ToxPi as Methods for Identifying New Obesogens". *Environmental Health Perspectives*, **2017**, 125, A8-A11	8.4	6
124	Predicting Organ Toxicity Using in Vitro Bioactivity Data and Chemical Structure. *Chemical Research in Toxicology*, **2017**, 30, 2046-2059	4	31
123	Immunological characterization of the aryl hydrocarbon receptor (AHR) knockout rat in the presence and absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Toxicology*, **2016**, 368-369, 172-182	4.4	14
122	Systematically evaluating read-across prediction and performance using a local validity approach characterized by chemical structure and bioactivity information. *Regulatory Toxicology and Pharmacology*, **2016**, 79, 12-24	3.4	48
121	Using ToxCast Data to Reconstruct Dynamic Cell State Trajectories and Estimate Toxicological Points of Departure. *Environmental Health Perspectives*, **2016**, 124, 910-9	8.4	55
120	The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. *Environmental Health Perspectives*, **2016**, 124, 1671-1682	8.4	59
119	Aryl hydrocarbon receptor knockout rats are insensitive to the pathological effects of repeated oral exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Journal of Applied Toxicology*, **2016**, 36, 802-14	4.1	18
118	ToxCast Chemical Landscape: Paving the Road to 21st Century Toxicology. *Chemical Research in Toxicology*, **2016**, 29, 1225-51	4	301
117	Editor's Highlight: Analysis of the Effects of Cell Stress and Cytotoxicity on In Vitro Assay Activity Across a Diverse Chemical and Assay Space. *Toxicological Sciences*, **2016**, 152, 323-39	4.4	125
116	BMDExpress Data Viewer - a visualization tool to analyze BMDExpress datasets. *Journal of Applied Toxicology*, **2016**, 36, 1048-59	4.1	21
115	Predicting hepatotoxicity using ToxCast in vitro bioactivity and chemical structure. *Chemical Research in Toxicology*, **2015**, 28, 738-51	4	96
114	Screening Chemicals for Estrogen Receptor Bioactivity Using a Computational Model. *Environmental Science & Technology*, **2015**, 49, 8804-14	10.3	183
113	Identifying genes that mediate anthracyline toxicity in immune cells. *Frontiers in Pharmacology*, **2015**, 6, 62	5.6	4
112	Toxicokinetic Triage for Environmental Chemicals. *Toxicological Sciences*, **2015**, 147, 55-67	4.4	89
111	Systems Biology and Biomarkers of Early Effects for Occupational Exposure Limit Setting. *Journal of Occupational and Environmental Hygiene*, **2015**, 12 Suppl 1, S41-54	2.9	27
110	Screening a mouse liver gene expression compendium identifies modulators of the aryl hydrocarbon receptor (AhR). *Toxicology*, **2015**, 336, 99-112	4.4	39
109	Lineage-dependent effects of aryl hydrocarbon receptor agonists contribute to liver tumorigenesis. *Hepatology*, **2015**, 61, 548-60	11.2	26

108	Changing the Paradigm of Toxicity Testing From Observational to Predictive: An Update on Two Global In Vitro Screening Initiatives. *Applied in Vitro Toxicology*, **2015**, 1, 91-98	1.3	
107	Quantitative Property–Property Relationship for Screening-Level Prediction of Intrinsic Clearance: A Tool for Exposure Modeling for High-Throughput Toxicity Screening Data. *Applied in Vitro Toxicology*, **2015**, 1, 140-146	1.3	9
106	Immune cell-based screening assay for response to anticancer agents: applications in pharmacogenomics. *Pharmacogenomics and Personalized Medicine*, **2015**, 8, 81-98	2.1	10
105	Identification of modulators of the nuclear receptor peroxisome proliferator-activated receptor α (PPARα) in a mouse liver gene expression compendium. *PLoS ONE*, **2015**, 10, e0112655	3.7	49
104	Identification of chemical modulators of the constitutive activated receptor (CAR) in a gene expression compendium. *Nuclear Receptor Signaling*, **2015**, 13, e002	1	61
103	Technical guide for applications of gene expression profiling in human health risk assessment of environmental chemicals. *Regulatory Toxicology and Pharmacology*, **2015**, 72, 292-309	3.4	48
102	Aryl hydrocarbon receptor knock-out exacerbates choroidal neovascularization via multiple pathogenic pathways. *Journal of Pathology*, **2015**, 235, 101-12	9.4	29
101	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18 In Vitro High-Throughput Screening Assays for the Estrogen Receptor. *Toxicological Sciences*, **2015**, 148, 137-54	4.4	201
100	Incorporating High-Throughput Exposure Predictions With Dosimetry-Adjusted In Vitro Bioactivity to Inform Chemical Toxicity Testing. *Toxicological Sciences*, **2015**, 148, 121-36	4.4	148
99	SEURAT: Safety Evaluation Ultimately Replacing Animal Testing--recommendations for future research in the field of predictive toxicology. *Archives of Toxicology*, **2015**, 89, 15-23	5.8	35
98	Loss of Hif-2α Rescues the Hif-1α Deletion Phenotype of Neonatal Respiratory Distress In Mice. *PLoS ONE*, **2015**, 10, e0139270	3.7	5
97	The SEURAT-1 approach towards animal free human safety assessment. *ALTEX: Alternatives To Animal Experimentation*, **2015**, 32, 9-24	4.3	31
96	The human toxome project. *ALTEX: Alternatives To Animal Experimentation*, **2015**, 32, 112-24	4.3	43
95	Comparison of microarrays and RNA-seq for gene expression analyses of dose-response experiments. *Toxicological Sciences*, **2014**, 137, 385-403	4.4	44
94	Transcriptional responses in the rat nasal epithelium following subchronic inhalation of naphthalene vapor. *Toxicology and Applied Pharmacology*, **2014**, 280, 78-85	4.6	22
93	IVT-seq reveals extreme bias in RNA sequencing. *Genome Biology*, **2014**, 15, R86	18.3	110
92	A cellular genetics approach identifies gene-drug interactions and pinpoints drug toxicity pathway nodes. *Frontiers in Genetics*, **2014**, 5, 272	4.5	5
91	Incorporating population variability and susceptible subpopulations into dosimetry for high-throughput toxicity testing. *Toxicological Sciences*, **2014**, 142, 210-24	4.4	60

90	In vitro and modelling approaches to risk assessment from the U.S. Environmental Protection Agency ToxCast programme. *Basic and Clinical Pharmacology and Toxicology*, **2014**, 115, 69-76	3.1	96
89	Development of 3D dynamic flow model of human liver and its application to prediction of metabolic clearance of 7-ethoxycoumarin. *Tissue Engineering - Part C: Methods*, **2014**, 20, 641-51	2.9	13
88	MYC is an early response regulator of human adipogenesis in adipose stem cells. *PLoS ONE*, **2014**, 9, e114133	3.7	22
87	Subchronic hepatotoxicity evaluation of bromobenzene in Fischer 344 rats. *Journal of Applied Toxicology*, **2013**, 33, 370-7	4.1	6
86	A multi-stakeholder perspective on the use of alternative test strategies for nanomaterial safety assessment. *ACS Nano*, **2013**, 7, 6422-33	16.7	96
85	Knockout of the aryl hydrocarbon receptor results in distinct hepatic and renal phenotypes in rats and mice. *Toxicology and Applied Pharmacology*, **2013**, 272, 503-18	4.6	56
84	Subchronic toxicity evaluation of potassium bromate in Fischer 344 rats. *Environmental Toxicology and Pharmacology*, **2013**, 36, 1227-34	5.8	13
83	All-or-none suppression of B cell terminal differentiation by environmental contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicology and Applied Pharmacology*, **2013**, 268, 17-26	4.6	14
82	Incorporating Human Dosimetry and Exposure Information with High‐Throughput Screening Data in Chemical Toxicity Assessment **2013**, 77-95		2
81	Subchronic urinary bladder toxicity evaluation of N-Nitrosodiphenylamine in Fischer 344 rats. *Journal of Applied Toxicology*, **2013**, 33, 383-9	4.1	4
80	Temporal concordance between apical and transcriptional points of departure for chemical risk assessment. *Toxicological Sciences*, **2013**, 134, 180-94	4.4	118
79	Subchronic toxicity evaluation of anthraquinone in Fischer 344 rats. *International Journal of Toxicology*, **2013**, 32, 358-67	2.4	0
78	Cross-species transcriptomic analysis of mouse and rat lung exposed to chloroprene. *Toxicological Sciences*, **2013**, 131, 629-40	4.4	25
77	Relative impact of incorporating pharmacokinetics on predicting in vivo hazard and mode of action from high-throughput in vitro toxicity assays. *Toxicological Sciences*, **2013**, 132, 327-46	4.4	92
76	Aryl hydrocarbon receptor deficiency causes dysregulated cellular matrix metabolism and age-related macular degeneration-like pathology. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E4069-78	11.5	62
75	Incorporating new technologies into toxicity testing and risk assessment: moving from 21st century vision to a data-driven framework. *Toxicological Sciences*, **2013**, 136, 4-18	4.4	195
74	Evaluation of gene expression changes in human primary uroepithelial cells following 24-hr exposures to inorganic arsenic and its methylated metabolites. *Environmental and Molecular Mutagenesis*, **2013**, 54, 82-98	3.2	25
73	A genomics-based analysis of relative potencies of dioxin-like compounds in primary rat hepatocytes. *Toxicological Sciences*, **2013**, 136, 595-604	4.4	9

72	Biological networks for predicting chemical hepatocarcinogenicity using gene expression data from treated mice and relevance across human and rat species. *PLoS ONE*, **2013**, 8, e63308	3.7	15
71	The Aryl-Hydrocarbon Receptor Protein Interaction Network (AHR-PIN) as Identified by Tandem Affinity Purification (TAP) and Mass Spectrometry. *Journal of Toxicology*, **2013**, 2013, 279829	3.1	11
70	Subchronic thyroid toxicity evaluation of 4,4'-methylenebis(N,N'-dimethyl)aniline in Fischer 344 rats. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 637-48	3.2	4
69	Integrating pathway-based transcriptomic data into quantitative chemical risk assessment: a five chemical case study. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2012**, 746, 135-43	3	75
68	Subchronic hepatotoxicity evaluation of 2,3,4,6-tetrachlorophenol in sprague dawley rats. *Journal of Toxicology*, **2012**, 2012, 376246	3.1	2
67	Response to Incorporating Biological, Chemical, and Toxicological Knowledge Into Predictive Models of Toxicity *Toxicological Sciences*, **2012**, 130, 442-443	4.4	7
66	A comprehensive statistical analysis of predicting in vivo hazard using high-throughput in vitro screening. *Toxicological Sciences*, **2012**, 128, 398-417	4.4	119
65	Response to "Accurate Risk-Based Chemical Screening * Relies on Robust Exposure Estimates". *Toxicological Sciences*, **2012**, 128, 297-299	4.4	
64	Cross-species comparisons of transcriptomic alterations in human and rat primary hepatocytes exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicological Sciences*, **2012**, 127, 199-215	4.4	58
63	Subchronic hepatotoxicity evaluation of 1,2,4-tribromobenzene in Sprague-Dawley rats. *International Journal of Toxicology*, **2012**, 31, 250-6	2.4	6
62	Subchronic hepatotoxicity evaluation of hydrazobenzene in Fischer 344 rats. *International Journal of Toxicology*, **2012**, 31, 564-71	2.4	8
61	Biological responses in rats exposed to cigarette smoke and Middle East sand (dust). *Inhalation Toxicology*, **2012**, 24, 109-24	2.7	9
60	Integration of dosimetry, exposure, and high-throughput screening data in chemical toxicity assessment. *Toxicological Sciences*, **2012**, 125, 157-74	4.4	280
59	Systems toxicology. *ALTEX: Alternatives To Animal Experimentation*, **2012**, 29, 119-28	4.3	66
58	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. *Toxicology and Applied Pharmacology*, **2011**, 252, 150-8	4.6	22
57	The aryl hydrocarbon receptor interacts with ATP5I, a subunit of the ATP synthase complex, and modulates mitochondrial function. *Toxicology and Applied Pharmacology*, **2011**, 254, 299-310	4.6	37
56	Estimating toxicity-related biological pathway altering doses for high-throughput chemical risk assessment. *Chemical Research in Toxicology*, **2011**, 24, 451-62	4	166
55	Application of transcriptional benchmark dose values in quantitative cancer and noncancer risk assessment. *Toxicological Sciences*, **2011**, 120, 194-205	4.4	98

54	Analysis of Transcriptomic Dose-Response Data for Toxicology and Risk Assessment **2011**, 237-250		0
53	Concentration- and time-dependent genomic changes in the mouse urinary bladder following exposure to arsenate in drinking water for up to 12 weeks. *Toxicological Sciences*, **2011**, 123, 421-32	4.4	46
52	Systems pharmacology assessment of the 5-fluorouracil pathway. *Pharmacogenomics*, **2011**, 12, 341-50	2.6	36
51	The MicroArray Quality Control (MAQC)-II study of common practices for the development and validation of microarray-based predictive models. *Nature Biotechnology*, **2010**, 28, 827-38	44.5	644
50	Functional analysis of multiple genomic signatures demonstrates that classification algorithms choose phenotype-related genes. *Pharmacogenomics Journal*, **2010**, 10, 310-23	3.5	36
49	A comparison of batch effect removal methods for enhancement of prediction performance using MAQC-II microarray gene expression data. *Pharmacogenomics Journal*, **2010**, 10, 278-91	3.5	188
48	Genome-wide analysis of DNA methylation and gene expression changes in the mouse lung following subchronic arsenate exposure. *Toxicological Sciences*, **2010**, 117, 404-17	4.4	38
47	Formaldehyde: integrating dosimetry, cytotoxicity, and genomics to understand dose-dependent transitions for an endogenous compound. *Toxicological Sciences*, **2010**, 118, 716-31	4.4	102
46	Activation of the aryl-hydrocarbon receptor inhibits invasive and metastatic features of human breast cancer cells and promotes breast cancer cell differentiation. *Molecular Endocrinology*, **2010**, 24, 359-69		81
45	A bistable switch underlying B-cell differentiation and its disruption by the environmental contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicological Sciences*, **2010**, 115, 51-65	4.4	33
44	An integrated genomic analysis of aryl hydrocarbon receptor-mediated inhibition of B-cell differentiation. *Toxicological Sciences*, **2010**, 118, 454-69	4.4	40
43	Regulation of aryl hydrocarbon receptor function by selective estrogen receptor modulators. *Molecular Endocrinology*, **2010**, 24, 33-46		42
42	Incorporating human dosimetry and exposure into high-throughput in vitro toxicity screening. *Toxicological Sciences*, **2010**, 117, 348-58	4.4	189
41	Aryl hydrocarbon receptor regulates cell cycle progression in human breast cancer cells via a functional interaction with cyclin-dependent kinase 4. *Molecular Pharmacology*, **2010**, 77, 195-201	4.3	90
40	Expression profiling in canine osteosarcoma: identification of biomarkers and pathways associated with outcome. *BMC Cancer*, **2010**, 10, 506	4.8	42
39	Stochastic modeling of B lymphocyte terminal differentiation and its suppression by dioxin. *BMC Systems Biology*, **2010**, 4, 40	3.5	19
38	Quantitative analyses and transcriptomic profiling of circulating messenger RNAs as biomarkers of rat liver injury. *Hepatology*, **2010**, 51, 2127-39	11.2	64
37	The identification of protein kinase C iota as a regulator of the Mammalian heat shock response using functional genomic screens. *PLoS ONE*, **2010**, 5, e11850	3.7	

36	Use of short-term transcriptional profiles to assess the long-term cancer-related safety of environmental and industrial chemicals. *Toxicological Sciences*, **2009**, 112, 311-21	4.4	37
35	Dose-dependent transitions in Nrf2-mediated adaptive response and related stress responses to hypochlorous acid in mouse macrophages. *Toxicology and Applied Pharmacology*, **2009**, 238, 27-36	4.6	67
34	In utero exposure to chloroquine alters sexual development in the male fetal rat. *Toxicology and Applied Pharmacology*, **2009**, 237, 366-74	4.6	3
33	Genomic signatures and dose-dependent transitions in nasal epithelial responses to inhaled formaldehyde in the rat. *Toxicological Sciences*, **2008**, 105, 368-83	4.4	73
32	Gene expression changes following acute hydrogen sulfide (H2S)-induced nasal respiratory epithelial injury. *Toxicologic Pathology*, **2008**, 36, 560-7	2.1	22
31	NetAtlas: a Cytoscape plugin to examine signaling networks based on tissue gene expression. *In Silico Biology*, **2008**, 8, 47-52	2	4
30	Genomic analysis of human lung fibroblasts exposed to vanadium pentoxide to identify candidate genes for occupational bronchitis. *Respiratory Research*, **2007**, 8, 34	7.3	22
29	BMDExpress: a software tool for the benchmark dose analyses of genomic data. *BMC Genomics*, **2007**, 8, 387	4.5	132
28	Research toward the development of a biologically based dose response assessment for inorganic arsenic carcinogenicity: a progress report. *Toxicology and Applied Pharmacology*, **2007**, 222, 388-98	4.6	19
27	Basal gene expression in male and female Sprague-Dawley rat nasal respiratory and olfactory epithelium. *Inhalation Toxicology*, **2007**, 19, 941-9	2.7	4
26	A method to integrate benchmark dose estimates with genomic data to assess the functional effects of chemical exposure. *Toxicological Sciences*, **2007**, 98, 240-8	4.4	144
25	Application of genomic biomarkers to predict increased lung tumor incidence in 2-year rodent cancer bioassays. *Toxicological Sciences*, **2007**, 97, 55-64	4.4	58
24	A comparison of transcriptomic and metabonomic technologies for identifying biomarkers predictive of two-year rodent cancer bioassays. *Toxicological Sciences*, **2007**, 96, 40-6	4.4	51
23	A functional map of NFkappaB signaling identifies novel modulators and multiple system controls. *Genome Biology*, **2007**, 8, R104	18.3	16
22	Genome-wide analysis of human HSF1 signaling reveals a transcriptional program linked to cellular adaptation and survival. *Molecular BioSystems*, **2006**, 2, 627-39		99
21	New directions in incidence-dose modeling. *Trends in Biotechnology*, **2005**, 23, 122-7	15.1	41
20	Dose-response modeling in reproductive toxicology in the systems biology era. *Reproductive Toxicology*, **2005**, 19, 327-37	3.4	24
19	EDGE: a centralized resource for the comparison, analysis, and distribution of toxicogenomic information. *Molecular Pharmacology*, **2005**, 67, 1360-8	4.3	65

18	Chemical mixture toxicology: from descriptive to mechanistic, and going on to in silico toxicology. *Environmental Toxicology and Pharmacology*, **2004**, 18, 65-81	5.8	30
17	Genome-scale functional profiling of the mammalian AP-1 signaling pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12153-8	11.5	94
16	Stochastic simulation of hepatic preneoplastic foci development for four chlorobenzene congeners in a medium-term bioassay. *Toxicological Sciences*, **2003**, 73, 301-14	4.4	13
15	Application of DNA microarrays for predicting toxicity and evaluating cross-species extrapolation **2003**, 31-38		1
14	Application of genomics to toxicology research. *Environmental Health Perspectives*, **2002**, 110 Suppl 6, 919-23	8.4	33
13	Sequence variation and phylogenetic history of the mouse Ahr gene. *Pharmacogenetics and Genomics*, **2002**, 12, 151-63		51
12	Developing toxicologically predictive gene sets using cDNA microarrays and Bayesian classification. *Methods in Enzymology*, **2002**, 357, 198-205	1.7	7
11	Identification of toxicologically predictive gene sets using cDNA microarrays. *Molecular Pharmacology*, **2001**, 60, 1189-94	4.3	227
10	A physiologically based pharmacodynamic analysis of hepatic foci within a medium-term liver bioassay using pentachlorobenzene as a promoter and diethylnitrosamine as an initiator. *Toxicology and Applied Pharmacology*, **2000**, 166, 128-37	4.6	8
9	Enhanced regional expression of glutathione S-transferase P1-1 with colocalized AP-1 and CYP 1A2 induction in chlorobenzene-induced porphyria. *Toxicology and Applied Pharmacology*, **1998**, 150, 22-31	4.6	9
8	Use of a medium-term liver focus bioassay to assess the hepatocarcinogenicity of 1,2,4,5-tetrachlorobenzene and 1,4-dichlorobenzene. *Cancer Letters*, **1998**, 129, 39-44	9.9	12
7	Evidence for hepatocarcinogenic activity of pentachlorobenzene with intralobular variation in foci incidence. *Carcinogenesis*, **1998**, 19, 1855-62	4.6	8
6	Variability in biological exposure indices using physiologically based pharmacokinetic modeling and Monte Carlo simulation. *AIHA Journal*, **1996**, 57, 23-32		73
5	Physiologically based pharmacokinetic/pharmacodynamic modeling of the toxicologic interaction between carbon tetrachloride and Kepone. *Archives of Toxicology*, **1996**, 70, 704-13	5.8	38
4	Incorporating Monte Carlo Simulation into Physiologically Based Pharmacokinetic Models Using Advanced Continuous Simulation Language (ACSL): A Computational Method. *Toxicological Sciences* , **1996**, 31, 19-28	4.4	4
3	Physiologically based pharmacokinetic/pharmacodynamic modeling of chemical mixtures and possible applications in risk assessment. *Toxicology*, **1995**, 105, 275-82	4.4	35
2	The application of physiologically based pharmacokinetic/pharmacodynamic (PBPK/PD) modeling for exploring risk assessment approaches of chemical mixtures. *Toxicology Letters*, **1995**, 79, 193-200	4.4	37
1	Plutonium concentrations in lichens of Rocky Flats environs. *Health Physics*, **1995**, 68, 311-9	2.3	7