

# Richard S Judson

## List of Publications by Year in Descending Order

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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.

171  
papers

18,111  
citations

65  
h-index

133  
g-index

177  
ext. papers

20,541  
ext. citations

6  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
171	Predicting molecular initiating events using chemical target annotations and gene expression.. <i>BioData Mining</i> , <b>2022</b> , 15, 7	4.3	1
170	Combining phenotypic profiling and targeted RNA-Seq reveals linkages between transcriptional perturbations and chemical effects on cell morphology: Retinoic acid as an example.. <i>Toxicology and Applied Pharmacology</i> , <b>2022</b> , 116032	4.6	0
169	Systematic Evidence Map for Over One Hundred and Fifty Per- and Polyfluoroalkyl Substances (PFAS).. <i>Environmental Health Perspectives</i> , <b>2022</b> , 130, 56001	8.4	5
168	Integrating endocrine-related health effects into comparative human toxicity characterization. <i>Science of the Total Environment</i> , <b>2021</b> , 762, 143874	10.2	7
167	The Tox21 10K Compound Library: Collaborative Chemistry Advancing Toxicology. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 189-216	4	40
166	Comparison of Approaches for Determining Bioactivity Hits from High-Dimensional Profiling Data. <i>SLAS Discovery</i> , <b>2021</b> , 26, 292-308	3.4	4
165	High-Throughput Transcriptomics Platform for Screening Environmental Chemicals. <i>Toxicological Sciences</i> , <b>2021</b> , 181, 68-89	4.4	15
164	Variability in studies: Defining the upper limit of performance for predictions of systemic effect levels. <i>Computational Toxicology</i> , <b>2020</b> , 15, 1-100126	3.1	11
163	High-Throughput Screening to Predict Chemical-Assay Interference. <i>Scientific Reports</i> , <b>2020</b> , 10, 3986	4.9	14
162	CoMPARA: Collaborative Modeling Project for Androgen Receptor Activity. <i>Environmental Health Perspectives</i> , <b>2020</b> , 128, 27002	8.4	70
161	Profiling the ToxCast Library With a Pluripotent Human (H9) Stem Cell Line-Based Biomarker Assay for Developmental Toxicity. <i>Toxicological Sciences</i> , <b>2020</b> , 174, 189-209	4.4	17
160	Characterizing cleft palate toxicants using ToxCast data, chemical structure, and the biomedical literature. <i>Birth Defects Research</i> , <b>2020</b> , 112, 19-39	2.9	14
159	Vision of a near future: Bridging the human health-environment divide. Toward an integrated strategy to understand mechanisms across species for chemical safety assessment. <i>Toxicology in Vitro</i> , <b>2020</b> , 62, 104692	3.6	19
158	Using Chemical Structure Information to Develop Predictive Models for Toxicokinetic Parameters to Inform High-throughput Risk-assessment. <i>Computational Toxicology</i> , <b>2020</b> , 16,	3.1	8
157	Selecting a minimal set of androgen receptor assays for screening chemicals. <i>Regulatory Toxicology and Pharmacology</i> , <b>2020</b> , 117, 104764	3.4	4
156	Structure-based QSAR Models to Predict Repeat Dose Toxicity Points of Departure. <i>Computational Toxicology</i> , <b>2020</b> , 16,	3.1	6
155	Progress in data interoperability to support computational toxicology and chemical safety evaluation. <i>Toxicology and Applied Pharmacology</i> , <b>2019</b> , 380, 114707	4.6	13

154	Ensemble QSAR Modeling to Predict Multispecies Fish Toxicity Lethal Concentrations and Points of Departure. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 12793-12802	10.3	12
153	Predicting estrogen receptor activation by a group of substituted phenols: An integrated approach to testing and assessment case study. <i>Regulatory Toxicology and Pharmacology</i> , <b>2019</b> , 106, 278-291	3.4	10
152	Considerations for Strategic Use of High-Throughput Transcriptomics Chemical Screening Data in Regulatory Decisions. <i>Current Opinion in Toxicology</i> , <b>2019</b> , 15, 64-75	4.4	23
151	Empirical models for anatomical and physiological changes in a human mother and fetus during pregnancy and gestation. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215906	3.7	15
150	Challenges in IBD Research: Environmental Triggers. <i>Inflammatory Bowel Diseases</i> , <b>2019</b> , 25, S13-S23	4.5	35
149	Estimating uncertainty in the context of new approach methodologies for potential use in chemical safety evaluation. <i>Current Opinion in Toxicology</i> , <b>2019</b> , 15, 40-47	4.4	6
148	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 317-332	4.4	121
147	Identification of potential endocrine disrupting chemicals using gene expression biomarkers. <i>Toxicology and Applied Pharmacology</i> , <b>2019</b> , 380, 114683	4.6	18
146	Development of a prioritization method for chemical-mediated effects on steroidogenesis using an integrated statistical analysis of high-throughput H295R data. <i>Regulatory Toxicology and Pharmacology</i> , <b>2019</b> , 109, 104510	3.4	9
145	Workflow for defining reference chemicals for assessing performance of in vitro assays. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2019</b> , 36, 261-276	4.3	7
144	Development, validation and integration of in silico models to identify androgen active chemicals. <i>Chemosphere</i> , <b>2019</b> , 220, 204-215	8.4	17
143	Integrating data gap filling techniques: A case study predicting TEFs for neurotoxicity TEQs to facilitate the hazard assessment of polychlorinated biphenyls. <i>Regulatory Toxicology and Pharmacology</i> , <b>2019</b> , 101, 12-23	3.4	6
142	Assessing bioactivity-exposure profiles of fruit and vegetable extracts in the BioMAP profiling system. <i>Toxicology in Vitro</i> , <b>2019</b> , 54, 41-57	3.6	6
141	High-Throughput H295R Steroidogenesis Assay: Utility as an Alternative and a Statistical Approach to Characterize Effects on Steroidogenesis. <i>Toxicological Sciences</i> , <b>2018</b> , 162, 509-534	4.4	24
140	OPERA models for predicting physicochemical properties and environmental fate endpoints. <i>Journal of Cheminformatics</i> , <b>2018</b> , 10, 10	8.6	151
139	A mechanistic framework for integrating chemical structure and high-throughput screening results to improve toxicity predictions. <i>Computational Toxicology</i> , <b>2018</b> , 8, 1-12	3.1	9
138	A hybrid gene selection approach to create the S1500+ targeted gene sets for use in high-throughput transcriptomics. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191105	3.7	64
137	Predicting in vivo effect levels for repeat-dose systemic toxicity using chemical, biological, kinetic and study covariates. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 587-600	5.8	7

136	Advancements in Life Cycle Human Exposure and Toxicity Characterization. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 125001	8.4	27
135	New approach methods for testing chemicals for endocrine disruption potential. <i>Current Opinion in Toxicology</i> , <b>2018</b> , 9, 40-47	4.4	10
134	Exploring non-linear distance metrics in the structure-activity space: QSAR models for human estrogen receptor. <i>Journal of Cheminformatics</i> , <b>2018</b> , 10, 47	8.6	3
133	Uncertainty quantification in ToxCast high throughput screening. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196963	3.7	26
132	Development of a curated Hershberger database. <i>Reproductive Toxicology</i> , <b>2018</b> , 81, 259-271	3.4	16
131	Evaluation of androgen assay results using a curated Hershberger database. <i>Reproductive Toxicology</i> , <b>2018</b> , 81, 272-280	3.4	21
130	Retrospective mining of toxicology data to discover multispecies and chemical class effects: Anemia as a case study. <i>Regulatory Toxicology and Pharmacology</i> , <b>2017</b> , 86, 74-92	3.4	10
129	Advancing alternatives analysis: The role of predictive toxicology in selecting safer chemical products and processes. <i>Integrated Environmental Assessment and Management</i> , <b>2017</b> , 13, 915-925	2.5	21
128	Identifying environmental chemicals as agonists of the androgen receptor by using a quantitative high-throughput screening platform. <i>Toxicology</i> , <b>2017</b> , 385, 48-58	4.4	22
127	Development and Validation of a Computational Model for Androgen Receptor Activity. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 946-964	4	114
126	In Silico Prediction of Physicochemical Properties of Environmental Chemicals Using Molecular Fingerprints and Machine Learning. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 36-49	6.1	63
125	Predictive Structure-Based Toxicology Approaches To Assess the Androgenic Potential of Chemicals. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 2874-2884	6.1	15
124	A systematic evaluation of analogs and automated read-across prediction of estrogenicity: A case study using hindered phenols. <i>Computational Toxicology</i> , <b>2017</b> , 4, 22-30	3.1	13
123	On selecting a minimal set of in vitro assays to reliably determine estrogen agonist activity. <i>Regulatory Toxicology and Pharmacology</i> , <b>2017</b> , 91, 39-49	3.4	27
122	The CompTox Chemistry Dashboard: a community data resource for environmental chemistry. <i>Journal of Cheminformatics</i> , <b>2017</b> , 9, 61	8.6	352
121	Comment on "On the Utility of ToxCast and ToxPi as Methods for Identifying New Obesogens". <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, A8-A11	8.4	6
120	tcpl: the ToxCast pipeline for high-throughput screening data. <i>Bioinformatics</i> , <b>2017</b> , 33, 618-620	7.2	66
119	An "EAR" on Environmental Surveillance and Monitoring: A Case Study on the Use of Exposure-Activity Ratios (EARs) to Prioritize Sites, Chemicals, and Bioactivities of Concern in Great Lakes Waters. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8713-8724	10.3	45

118	EditorⓄ Highlight: Negative Predictors of Carcinogenicity for Environmental Chemicals. <i>Toxicological Sciences</i> , <b>2017</b> , 155, 157-169	4.4	10
117	EditorⓄ Highlight: Genetic Targets of Acute Toluene Inhalation in <i>Drosophila melanogaster</i> . <i>Toxicological Sciences</i> , <b>2017</b> , 156, 230-239	4.4	1
116	Probabilistic diagram for designing chemicals with reduced potency to incur cytotoxicity. <i>Green Chemistry</i> , <b>2016</b> , 18, 4461-4467	10	10
115	In Silico Study of In Vitro GPCR Assays by QSAR Modeling. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1425, 361-371	8.1	10
114	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> , <b>2016</b> , 79, 12-24	3.4	48
113	Moving Toward Integrating Gene Expression Profiling Into High-Throughput Testing: A Gene Expression Biomarker Accurately Predicts Estrogen Receptor Modulation in a Microarray Compendium. <i>Toxicological Sciences</i> , <b>2016</b> , 151, 88-103	4.4	32
112	Linking high resolution mass spectrometry data with exposure and toxicity forecasts to advance high-throughput environmental monitoring. <i>Environment International</i> , <b>2016</b> , 88, 269-280	12.9	110
111	Tiered High-Throughput Screening Approach to Identify Thyroperoxidase Inhibitors Within the ToxCast Phase I and II Chemical Libraries. <i>Toxicological Sciences</i> , <b>2016</b> , 151, 160-80	4.4	67
110	CERAPP: Collaborative Estrogen Receptor Activity Prediction Project. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 1023-33	8.4	206
109	Using ToxCast Data to Reconstruct Dynamic Cell State Trajectories and Estimate Toxicological Points of Departure. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 910-9	8.4	55
108	Prioritizing Environmental Chemicals for Obesity and Diabetes Outcomes Research: A Screening Approach Using ToxCast High-Throughput Data. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 1141-54	8.4	34
107	Systems Toxicology of Male Reproductive Development: Profiling 774 Chemicals for Molecular Targets and Adverse Outcomes. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 1050-61	8.4	38
106	Computational Exposure Science: An Emerging Discipline to Support 21st-Century Risk Assessment. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 697-702	8.4	50
105	The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 1671-1682	8.4	59
104	ToxCast Chemical Landscape: Paving the Road to 21st Century Toxicology. <i>Chemical Research in Toxicology</i> , <b>2016</b> , 29, 1225-51	4	301
103	EditorⓄ 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> , <b>2016</b> , 152, 323-39	4.4	125
102	Health effects of toxicants: Online knowledge support. <i>Life Sciences</i> , <b>2016</b> , 145, 284-93	6.8	3
101	Coupled molecular design diagrams to guide safer chemical design with reduced likelihood of perturbing the NRF2-ARE antioxidant pathway and inducing cytotoxicity. <i>Green Chemistry</i> , <b>2016</b> , 18, 6387-6394	10.7	7

100	Prediction of Estrogenic Bioactivity of Environmental Chemical Metabolites. <i>Chemical Research in Toxicology</i> , <b>2016</b> , 29, 1410-27	4	24
99	Predicting hepatotoxicity using ToxCast in vitro bioactivity and chemical structure. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 738-51	4	96
98	Screening Chemicals for Estrogen Receptor Bioactivity Using a Computational Model. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 8804-14	10.3	183
97	Use of Neural Models of Proliferation and Neurite Outgrowth to Screen Environmental Chemicals in the ToxCast Phase I Library. <i>Applied in Vitro Toxicology</i> , <b>2015</b> , 1, 131-139	1.3	10
96	Toxicokinetic Triage for Environmental Chemicals. <i>Toxicological Sciences</i> , <b>2015</b> , 147, 55-67	4.4	89
95	Docking-based classification models for exploratory toxicology studies on high-quality estrogenic experimental data. <i>Future Medicinal Chemistry</i> , <b>2015</b> , 7, 1921-36	4.1	21
94	Chemical Safety Assessment Using Read-Across: Assessing the Use of Novel Testing Methods to Strengthen the Evidence Base for Decision Making. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 1232-40	8.4	66
93	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> , <b>2015</b> , 148, 137-54	4.4	201
92	Incorporating High-Throughput Exposure Predictions With Dosimetry-Adjusted In Vitro Bioactivity to Inform Chemical Toxicity Testing. <i>Toxicological Sciences</i> , <b>2015</b> , 148, 121-36	4.4	148
91	Exploring consumer exposure pathways and patterns of use for chemicals in the environment. <i>Toxicology Reports</i> , <b>2015</b> , 2, 228-237	4.8	95
90	Development of a consumer product ingredient database for chemical exposure screening and prioritization. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 65, 269-79	4.7	69
89	High throughput heuristics for prioritizing human exposure to environmental chemicals. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12760-7	10.3	130
88	Predictive endocrine testing in the 21st century using in vitro assays of estrogen receptor signaling responses. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8706-16	10.3	64
87	Profiling of the Tox21 10K compound library for agonists and antagonists of the estrogen receptor alpha signaling pathway. <i>Scientific Reports</i> , <b>2014</b> , 4, 5664	4.9	113
86	Phenotypic screening of the ToxCast chemical library to classify toxic and therapeutic mechanisms. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 583-91	44.5	141
85	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> , <b>2014</b> , 115, 69-76	3.1	96
84	Binary classification of a large collection of environmental chemicals from estrogen receptor assays by quantitative structure-activity relationship and machine learning methods. <i>Journal of Chemical Information and Modeling</i> , <b>2013</b> , 53, 3244-61	6.1	47
83	EADB: an estrogenic activity database for assessing potential endocrine activity. <i>Toxicological Sciences</i> , <b>2013</b> , 135, 277-91	4.4	55

82	Profiling 976 ToxCast chemicals across 331 enzymatic and receptor signaling assays. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 878-95	4	145
81	ToxCast: Predicting Toxicity Potential Through High-Throughput Bioactivity Profiling <b>2013</b> , 1-31		1
80	Predictive models and computational toxicology. <i>Methods in Molecular Biology</i> , <b>2013</b> , 947, 343-74	1.4	35
79	Real-time growth kinetics measuring hormone mimicry for ToxCast chemicals in T-47D human ductal carcinoma cells. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1097-107	4	34
78	High-throughput models for exposure-based chemical prioritization in the ExpoCast project. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 8479-88	10.3	102
77	Dosimetric anchoring of in vivo and in vitro studies for perfluorooctanoate and perfluorooctanesulfonate. <i>Toxicological Sciences</i> , <b>2013</b> , 136, 308-27	4.4	39
76	In vitro perturbations of targets in cancer hallmark processes predict rodent chemical carcinogenesis. <i>Toxicological Sciences</i> , <b>2013</b> , 131, 40-55	4.4	60
75	Using in vitro high throughput screening assays to identify potential endocrine-disrupting chemicals. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 7-14	8.4	119
74	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> , <b>2013</b> , 132, 327-46	4.4	92
73	Perspectives on validation of high-throughput assays supporting 21st century toxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2013</b> , 30, 51-6	4.3	105
72	Evidence-based toxicology for the 21st century: opportunities and challenges. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2013</b> , 30, 74-103	4.3	33
71	The exposure data landscape for manufactured chemicals. <i>Science of the Total Environment</i> , <b>2012</b> , 414, 159-66	10.2	134
70	Incorporating biological, chemical, and toxicological knowledge into predictive models of toxicity. <i>Toxicological Sciences</i> , <b>2012</b> , 130, 440-1; author reply 442-3	4.4	20
69	Using pathway modules as targets for assay development in xenobiotic screening. <i>Molecular BioSystems</i> , <b>2012</b> , 8, 531-42		8
68	Incorporating exposure information into the toxicological prioritization index decision support framework. <i>Science of the Total Environment</i> , <b>2012</b> , 435-436, 316-25	10.2	25
67	Update on EPA's ToxCast program: providing high throughput decision support tools for chemical risk management. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 1287-302	4	357
66	Modeling In Vitro Cell-Based Assays Experiments: Cell Population Dynamics. <i>Developments in Environmental Modelling</i> , <b>2012</b> , 25, 51-71	0	3
65	Differential Toxicity Characterization of Green Alternative Chemicals <b>2012</b> , 21		1

64	Aggregating data for computational toxicology applications: The U.S. Environmental Protection Agency (EPA) Aggregated Computational Toxicology Resource (ACToR) System. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 1805-31	6.3	89
63	Economic benefits of using adaptive predictive models of reproductive toxicity in the context of a tiered testing program. <i>Systems Biology in Reproductive Medicine</i> , <b>2012</b> , 58, 3-9	2.9	12
62	Integration of dosimetry, exposure, and high-throughput screening data in chemical toxicity assessment. <i>Toxicological Sciences</i> , <b>2012</b> , 125, 157-74	4.4	280
61	Predictive model of rat reproductive toxicity from ToxCast high throughput screening. <i>Biology of Reproduction</i> , <b>2011</b> , 85, 327-39	3.9	122
60	Environmental impact on vascular development predicted by high-throughput screening. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 1596-603	8.4	98
59	Evaluation of 309 environmental chemicals using a mouse embryonic stem cell adherent cell differentiation and cytotoxicity assay. <i>PLoS ONE</i> , <b>2011</b> , 6, e18540	3.7	51
58	Using nuclear receptor activity to stratify hepatocarcinogens. <i>PLoS ONE</i> , <b>2011</b> , 6, e14584	3.7	43
57	Predictive models of prenatal developmental toxicity from ToxCast high-throughput screening data. <i>Toxicological Sciences</i> , <b>2011</b> , 124, 109-27	4.4	155
56	Estimating toxicity-related biological pathway altering doses for high-throughput chemical risk assessment. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 451-62	4	166
55	Activity profiles of 309 ToxCast chemicals evaluated across 292 biochemical targets. <i>Toxicology</i> , <b>2011</b> , 282, 1-15	4.4	115
54	Chemical genomics profiling of environmental chemical modulation of human nuclear receptors. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 1142-8	8.4	150
53	The MicroArray Quality Control (MAQC)-II study of common practices for the development and validation of microarray-based predictive models. <i>Nature Biotechnology</i> , <b>2010</b> , 28, 827-38	44.5	644
52	In vitro screening of environmental chemicals for targeted testing prioritization: the ToxCast project. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 485-92	8.4	439
51	A novel framework for predicting in vivo toxicities from in vitro data using optimal methods for dense and sparse matrix reordering and logistic regression. <i>Toxicological Sciences</i> , <b>2010</b> , 118, 251-65	4.4	36
50	Endocrine profiling and prioritization of environmental chemicals using ToxCast data. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 1714-20	8.4	231
49	Public databases supporting computational toxicology. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2010</b> , 13, 218-31	8.6	26
48	Xenobiotic-metabolizing enzyme and transporter gene expression in primary cultures of human hepatocytes modulated by ToxCast chemicals. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2010</b> , 13, 329-46	8.6	47
47	Impact of environmental chemicals on key transcription regulators and correlation to toxicity end points within EPA's ToxCast program. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 578-90	4	164



46	Incorporating human dosimetry and exposure into high-throughput in vitro toxicity screening. <i>Toxicological Sciences</i> , <b>2010</b> , 117, 348-58	4.4	189
45	Analysis of eight oil spill dispersants using rapid, in vitro tests for endocrine and other biological activity. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5979-85	10.3	127
44	Profiling chemicals based on chronic toxicity results from the U.S. EPA ToxRef Database. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 392-9	8.4	163
43	Profiling the activity of environmental chemicals in prenatal developmental toxicity studies using the U.S. EPA's ToxRefDB. <i>Reproductive Toxicology</i> , <b>2009</b> , 28, 209-19	3.4	98
42	Evaluation of high-throughput genotoxicity assays used in profiling the US EPA ToxCast chemicals. <i>Regulatory Toxicology and Pharmacology</i> , <b>2009</b> , 55, 188-99	3.4	89
41	Profiling bioactivity of the ToxCast chemical library using BioMAP primary human cell systems. <i>Journal of Biomolecular Screening</i> , <b>2009</b> , 14, 1054-66		88
40	Profiling the reproductive toxicity of chemicals from multigeneration studies in the toxicity reference database. <i>Toxicological Sciences</i> , <b>2009</b> , 110, 181-90	4.4	105
39	The toxicity data landscape for environmental chemicals. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 685-95	8.4	340
38	A comparison of machine learning algorithms for chemical toxicity classification using a simulated multi-scale data model. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 241	3.6	51
37	ACToR--Aggregated Computational Toxicology Resource. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 233, 7-13	4.6	164
36	Bayesian meta-analysis of genetic association studies with different sets of markers. <i>American Journal of Human Genetics</i> , <b>2008</b> , 82, 859-72	11	49
35	Computational toxicology--a state of the science mini review. <i>Toxicological Sciences</i> , <b>2008</b> , 103, 14-27	4.4	121
34	Toxicity data informatics: supporting a new paradigm for toxicity prediction. <i>Toxicology Mechanisms and Methods</i> , <b>2008</b> , 18, 103-18	3.6	63
33	Pharmacogenomics in Drug Development and Clinical Research <b>2008</b> , 677-690		1
32	Genetic Algorithms and Their Use in Chemistry. <i>Reviews in Computational Chemistry</i> , <b>2007</b> , 1-73		11
31	Pharmacogenetic issues in thorough QT trials. <i>Molecular Diagnosis and Therapy</i> , <b>2006</b> , 10, 153-62	4.5	12
30	Allelic dropout in long QT syndrome genetic testing: a possible mechanism underlying false-negative results. <i>Heart Rhythm</i> , <b>2006</b> , 3, 815-21	6.7	35
29	Pharmacogenomics in Drug Development <b>2005</b> , 83-103		2

28	Spectrum and prevalence of cardiac sodium channel variants among black, white, Asian, and Hispanic individuals: implications for arrhythmogenic susceptibility and Brugada/long QT syndrome genetic testing. <i>Heart Rhythm</i> , <b>2004</b> , 1, 600-7	6.7	243
27	New and confirmatory evidence of an association between APOE genotype and baseline C-reactive protein in dyslipidemic individuals. <i>Atherosclerosis</i> , <b>2004</b> , 177, 345-51	3.1	58
26	Using multiple drug exposure levels to optimize power in pharmacogenetic trials. <i>Journal of Clinical Pharmacology</i> , <b>2003</b> , 43, 816-24	2.9	6
25	Haplotypes of the cholesteryl ester transfer protein gene predict lipid-modifying response to statin therapy. <i>Pharmacogenomics Journal</i> , <b>2003</b> , 3, 284-96	3.5	53
24	Genome-wide evaluation of the public SNP databases. <i>Pharmacogenomics</i> , <b>2003</b> , 4, 779-89	2.6	38
23	How many SNPs does a genome-wide haplotype map require?. <i>Pharmacogenomics</i> , <b>2002</b> , 3, 379-91	2.6	86
22	Haplotype variation and linkage disequilibrium in 313 human genes. <i>Science</i> , <b>2001</b> , 293, 489-93	33.3	685
21	Notes from the SNP vs. haplotype front. <i>Pharmacogenomics</i> , <b>2001</b> , 2, 7-10	2.6	52
20	A comprehensive analysis of protein-protein interactions in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , <b>2000</b> , 403, 623-7	50.4	3974
19	The predictive power of haplotypes in clinical response. <i>Pharmacogenomics</i> , <b>2000</b> , 1, 15-26	2.6	122
18	Using Molecular Dynamics to Predict Factors Affecting Binding Strength and Magnetic Relaxivity of MRI Contrast Agents. <i>Journal of Molecular Modeling</i> , <b>1996</b> , 2, 160-174	2	2
17	A large-scale experiment to assess protein structure prediction methods. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>1995</b> , 23, ii-v	4.2	332
16	A genetic algorithm based method for docking flexible molecules. <i>Computational and Theoretical Chemistry</i> , <b>1994</b> , 308, 191-206		47
15	Time dependent integral equation approaches to quantum scattering: Comparative application to atom-rigid rotor multichannel scattering. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 5039-5046	3.9	6
14	Teaching lasers to control molecules. <i>Physical Review Letters</i> , <b>1992</b> , 68, 1500-1503	7.4	1230
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11	The application of time-dependent wavepacket methods to reactive scattering. <i>Computer Physics Communications</i> , <b>1991</b> , 63, 460-481	4.2	128

10	Reactive scattering using a mixed quantum-classical paradigm. <i>Chemical Physics Letters</i> , <b>1991</b> , 179, 385-392	3.9	27
9	A comparison of three time-dependent wave packet methods for calculating electron-atom elastic scattering cross sections. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 3577-3585	3.9	27
8	Time-dependent (wavepacket) quantum approach to reactive scattering: Vibrationally resolved reaction probabilities for F+H <sub>2</sub> -HF+H. <i>Chemical Physics Letters</i> , <b>1990</b> , 169, 372-379	2.5	65
7	Optimal design of external fields for controlling molecular motion: application to rotation. <i>Journal of Molecular Structure</i> , <b>1990</b> , 223, 425-456	3.4	69
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1	Chemiluminescent Reaction Channel Opened by Photon Absorption During Collision. <i>Physical Review Letters</i> , <b>1980</b> , 44, 687-690	7.4	87