

Matthew T Martin

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.

55 papers	5,936 citations	37 h-index	55 g-index
55 ext. papers	6,680 ext. citations	5.7 avg, IF	5.19 L-index

#	Paper	IF	Citations
55	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
54	ToxRefDB version 2.0: Improved utility for predictive and retrospective toxicology analyses. <i>Reproductive Toxicology</i> , 2019 , 89, 145-158	3.4	30
53	Profiling 58 compounds including cosmetic-relevant chemicals using ToxRefDB and ToxCast. <i>Food and Chemical Toxicology</i> , 2019 , 132, 110718	4.7	4
52	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
51	High-Throughput H295R Steroidogenesis Assay: Utility as an Alternative and a Statistical Approach to Characterize Effects on Steroidogenesis. <i>Toxicological Sciences</i> , 2018 , 162, 509-534	4.4	24
50	Use of high-throughput in vitro toxicity screening data in cancer hazard evaluations by IARC Monograph Working Groups. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018 , 35, 51-64	4.3	47
49	Predicting in vivo effect levels for repeat-dose systemic toxicity using chemical, biological, kinetic and study covariates. <i>Archives of Toxicology</i> , 2018 , 92, 587-600	5.8	7
48	Screening the ToxCast phase II libraries for alterations in network function using cortical neurons grown on multi-well microelectrode array (mwMEA) plates. <i>Archives of Toxicology</i> , 2018 , 92, 487-500	5.8	36
47	Novel application of normalized pointwise mutual information (NPMI) to mine biomedical literature for gene sets associated with disease: use case in breast carcinogenesis. <i>Computational Toxicology</i> , 2018 , 7, 46-57	3.1	6
46	Retrospective mining of toxicology data to discover multispecies and chemical class effects: Anemia as a case study. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 86, 74-92	3.4	10
45	Development and Validation of a Computational Model for Androgen Receptor Activity. <i>Chemical Research in Toxicology</i> , 2017 , 30, 946-964	4	114
44	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
43	tcpl: the ToxCast pipeline for high-throughput screening data. <i>Bioinformatics</i> , 2017 , 33, 618-620	7.2	66
42	Comparing rat and rabbit embryo-fetal developmental toxicity data for 379 pharmaceuticals: on systemic dose and developmental effects. <i>Critical Reviews in Toxicology</i> , 2017 , 47, 402-414	5.7	12
41	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 & Technology</i> , 2017 , 51, 8713-8724	10.3	45
40	Editor's Highlight: Negative Predictors of Carcinogenicity for Environmental Chemicals. <i>Toxicological Sciences</i> , 2017 , 155, 157-169	4.4	10
39	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

38	Systems Toxicology of Male Reproductive Development: Profiling 774 Chemicals for Molecular Targets and Adverse Outcomes. <i>Environmental Health Perspectives</i> , 2016 , 124, 1050-61	8.4	38
37	ToxCast Chemical Landscape: Paving the Road to 21st Century Toxicology. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1225-51	4	301
36	Evaluation of food-relevant chemicals in the ToxCast high-throughput screening program. <i>Food and Chemical Toxicology</i> , 2016 , 92, 188-96	4.7	44
35	Predicting hepatotoxicity using ToxCast in vitro bioactivity and chemical structure. <i>Chemical Research in Toxicology</i> , 2015 , 28, 738-51	4	96
34	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> , 2015 , 1, 131-139	1.3	10
33	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
32	Phenotypic screening of the ToxCast chemical library to classify toxic and therapeutic mechanisms. <i>Nature Biotechnology</i> , 2014 , 32, 583-91	44.5	141
31	Profiling 976 ToxCast chemicals across 331 enzymatic and receptor signaling assays. <i>Chemical Research in Toxicology</i> , 2013 , 26, 878-95	4	145
30	ToxCast: Predicting Toxicity Potential Through High-Throughput Bioactivity Profiling 2013 , 1-31		1
29	Predictive models and computational toxicology. <i>Methods in Molecular Biology</i> , 2013 , 947, 343-74	1.4	35
28	Real-time growth kinetics measuring hormone mimicry for ToxCast chemicals in T-47D human ductal carcinoma cells. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1097-107	4	34
27	Dosimetric anchoring of in vivo and in vitro studies for perfluorooctanoate and perfluorooctanesulfonate. <i>Toxicological Sciences</i> , 2013 , 136, 308-27	4.4	39
26	In vitro perturbations of targets in cancer hallmark processes predict rodent chemical carcinogenesis. <i>Toxicological Sciences</i> , 2013 , 131, 40-55	4.4	60
25	Using in vitro high throughput screening assays to identify potential endocrine-disrupting chemicals. <i>Environmental Health Perspectives</i> , 2013 , 121, 7-14	8.4	119
24	Perspectives on validation of high-throughput assays supporting 21st century toxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2013 , 30, 51-6	4.3	105
23	Incorporating biological, chemical, and toxicological knowledge into predictive models of toxicity. <i>Toxicological Sciences</i> , 2012 , 130, 440-1; author reply 442-3	4.4	20
22	Update on EPA's ToxCast program: providing high throughput decision support tools for chemical risk management. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1287-302	4	357
21	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> , 2012 , 13, 1805-31	6.3	89

20	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> , 2012 , 58, 3-9	2.9	12
19	Predictive model of rat reproductive toxicity from ToxCast high throughput screening. <i>Biology of Reproduction</i> , 2011 , 85, 327-39	3.9	122
18	Using nuclear receptor activity to stratify hepatocarcinogens. <i>PLoS ONE</i> , 2011 , 6, e14584	3.7	43
17	Predictive models of prenatal developmental toxicity from ToxCast high-throughput screening data. <i>Toxicological Sciences</i> , 2011 , 124, 109-27	4.4	155
16	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
15	Activity profiles of 309 ToxCast chemicals evaluated across 292 biochemical targets. <i>Toxicology</i> , 2011 , 282, 1-15	4.4	115
14	In vitro screening of environmental chemicals for targeted testing prioritization: the ToxCast project. <i>Environmental Health Perspectives</i> , 2010 , 118, 485-92	8.4	439
13	Endocrine profiling and prioritization of environmental chemicals using ToxCast data. <i>Environmental Health Perspectives</i> , 2010 , 118, 1714-20	8.4	231
12	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> , 2010 , 13, 329-46	8.6	47
11	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> , 2010 , 23, 578-90	4	164
10	Incorporating human dosimetry and exposure into high-throughput in vitro toxicity screening. <i>Toxicological Sciences</i> , 2010 , 117, 348-58	4.4	189
9	Analysis of eight oil spill dispersants using rapid, in vitro tests for endocrine and other biological activity. <i>Environmental Science & Technology</i> , 2010 , 44, 5979-85	10.3	127
8	Profiling chemicals based on chronic toxicity results from the U.S. EPA ToxRef Database. <i>Environmental Health Perspectives</i> , 2009 , 117, 392-9	8.4	163
7	Profiling the activity of environmental chemicals in prenatal developmental toxicity studies using the U.S. EPA's ToxRefDB. <i>Reproductive Toxicology</i> , 2009 , 28, 209-19	3.4	98
6	Profiling the reproductive toxicity of chemicals from multigeneration studies in the toxicity reference database. <i>Toxicological Sciences</i> , 2009 , 110, 181-90	4.4	105
5	U.S. EPA's Toxicity Reference Database: Martin and Dix Respond. <i>Environmental Health Perspectives</i> , 2009 , 117,	8.4	78
4	The toxicity data landscape for environmental chemicals. <i>Environmental Health Perspectives</i> , 2009 , 117, 685-95	8.4	340
3	ACToR--Aggregated Computational Toxicology Resource. <i>Toxicology and Applied Pharmacology</i> , 2008 , 233, 7-13	4.6	164

2	Toxicogenomic study of triazole fungicides and perfluoroalkyl acids in rat livers predicts toxicity and categorizes chemicals based on mechanisms of toxicity. <i>Toxicological Sciences</i> , 2007 , 97, 595-613	4.4	176
1	The ToxCast program for prioritizing toxicity testing of environmental chemicals. <i>Toxicological Sciences</i> , 2007 , 95, 5-12	4.4	678