Matthew T Martin

List of Publications by Year
in descending order

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54 papers	7,278 citations	81900 39 h-index	168389 53 g-index
55 all docs	55 docs citations	55 times ranked	4801 citing authors

#	Article	IF	Citations
1	Variability in in vivo studies: Defining the upper limit of performance for predictions of systemic effect levels. Computational Toxicology, 2020, 15, 100126.	3.3	37
2	ToxRefDB version 2.0: Improved utility for predictive and retrospective toxicology analyses. Reproductive Toxicology, 2019, 89, 145-158.	2.9	56
3	Profiling 58 compounds including cosmetic-relevant chemicals using ToxRefDB and ToxCast. Food and Chemical Toxicology, 2019, 132, 110718.	3.6	7
4	Assessing bioactivity-exposure profiles of fruit and vegetable extracts in the BioMAP profiling system. Toxicology in Vitro, 2019, 54, 41-57.	2.4	8
5	High-Throughput H295R Steroidogenesis Assay: Utility as an Alternative and a Statistical Approach to Characterize Effects on Steroidogenesis. Toxicological Sciences, 2018, 162, 509-534.	3.1	39
6	Predicting in vivo effect levels for repeat-dose systemic toxicity using chemical, biological, kinetic and study covariates. Archives of Toxicology, 2018, 92, 587-600.	4.2	11
7	Screening the ToxCast phase II libraries for alterations in network function using cortical neurons grown on multi-well microelectrode array (mwMEA) plates. Archives of Toxicology, 2018, 92, 487-500.	4.2	46
8	Novel application of normalized pointwise mutual information (NPMI) to mine biomedical literature for gene sets associated with disease: Use case in breast carcinogenesis. Computational Toxicology, 2018, 7, 46-57.	3.3	9
9	Use of high-throughput in vitro toxicity screening data in cancer hazard evaluations by IARC Monograph Working Groups. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 51-64.	1.5	54
10	tcpl: the ToxCast pipeline for high-throughput screening data. Bioinformatics, 2017, 33, 618-620.	4.1	166
11	Retrospective mining of toxicology data to discover multispecies and chemical class effects: Anemia as a case study. Regulatory Toxicology and Pharmacology, 2017, 86, 74-92.	2.7	15
12	Development and Validation of a Computational Model for Androgen Receptor Activity. Chemical Research in Toxicology, 2017, 30, 946-964.	3.3	163
13	Comparing rat and rabbit embryo-fetal developmental toxicity data for 379 pharmaceuticals: on systemic dose and developmental effects. Critical Reviews in Toxicology, 2017, 47, 409-421.	3.9	15
14	An â€œEARâ€•on Environmental Surveillance and Monitoring: A Case Study on the Use of Exposureâ€“Activity Ratios (EARs) to Prioritize Sites, Chemicals, and Bioactivities of Concern in Great Lakes Waters. Environmental Science & Technology, 2017, 51, 8713-8724.	10.0	81
15	Editorâ€™s Highlight: Negative Predictors of Carcinogenicity for Environmental Chemicals. Toxicological Sciences, 2017, 155, 157-169.	3.1	11
16	Comment on â€œOn the Utility of ToxCastâ„¢ and ToxPi as Methods for Identifying New Obesogensâ€• Environmental Health Perspectives, 2017, 125, A8-A11.	6.0	6
17	Using ToxCastâ„¢ Data to Reconstruct Dynamic Cell State Trajectories and Estimate Toxicological Points of Departure. Environmental Health Perspectives, 2016, 124, 910-919.	6.0	65
18	Systems Toxicology of Male Reproductive Development: Profiling 774 Chemicals for Molecular Targets and Adverse Outcomes. Environmental Health Perspectives, 2016, 124, 1050-1061.	6.0	49

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19	ToxCast Chemical Landscape: Paving the Road to 21st Century Toxicology. Chemical Research in Toxicology, 2016, 29, 1225-1251.	3.3	456
20	Evaluation of food-relevant chemicals in the ToxCast high-throughput screening program. Food and Chemical Toxicology, 2016, 92, 188-196.	3.6	53
21	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18In VitroHigh-Throughput Screening Assays for the Estrogen Receptor. Toxicological Sciences, 2015, 148, 137-154.	3.1	251
22	Predicting Hepatotoxicity Using ToxCast in Vitro Bioactivity and Chemical Structure. Chemical Research in Toxicology, 2015, 28, 738-751.	3.3	124
23	Use of Neural Models of Proliferation and Neurite Outgrowth to Screen Environmental Chemicals in the ToxCast Phase I Library. Applied in Vitro Toxicology, 2015, 1, 131-139.	1.1	10
24	Phenotypic screening of the ToxCast chemical library to classify toxic and therapeutic mechanisms. Nature Biotechnology, 2014, 32, 583-591.	17.5	175
25	Profiling 976 ToxCast Chemicals across 331 Enzymatic and Receptor Signaling Assays. Chemical Research in Toxicology, 2013, 26, 878-895.	3.3	162
26	Predictive Models and Computational Toxicology. Methods in Molecular Biology, 2013, 947, 343-374.	0.9	40
27	Real-Time Growth Kinetics Measuring Hormone Mimicry for ToxCast Chemicals in T-47D Human Ductal Carcinoma Cells. Chemical Research in Toxicology, 2013, 26, 1097-1107.	3.3	41
28	Dosimetric Anchoring of In Vivo and In Vitro Studies for Perfluorooctanoate and Perfluorooctanesulfonate. Toxicological Sciences, 2013, 136, 308-327.	3.1	44
29	In Vitro Perturbations of Targets in Cancer Hallmark Processes Predict Rodent Chemical Carcinogenesis. Toxicological Sciences, 2013, 131, 40-55.	3.1	67
30	Using in Vitro High Throughput Screening Assays to Identify Potential Endocrine-Disrupting Chemicals. Environmental Health Perspectives, 2013, 121, 7-14.	6.0	134
31	Perspectives on validation of high-throughput assays supporting 21st century toxicity testing. ALTEX: Alternatives To Animal Experimentation, 2013, 30, 51-66.	1.5	118
32	Aggregating Data for Computational Toxicology Applications: The U.S. Environmental Protection Agency (EPA) Aggregated Computational Toxicology Resource (ACToR) System. International Journal of Molecular Sciences, 2012, 13, 1805-1831.	4.1	103
33	Economic benefits of using adaptive predictive models of reproductive toxicity in the context of a tiered testing program. Systems Biology in Reproductive Medicine, 2012, 58, 3-9.	2.1	17
34	Incorporating Biological, Chemical, and Toxicological Knowledge Into Predictive Models of Toxicity. Toxicological Sciences, 2012, 130, 440-441.	3.1	21
35	Update on EPAâ€™s ToxCast Program: Providing High Throughput Decision Support Tools for Chemical Risk Management. Chemical Research in Toxicology, 2012, 25, 1287-1302.	3.3	410
36	Predictive Models of Prenatal Developmental Toxicity from ToxCast High-Throughput Screening Data. Toxicological Sciences, 2011, 124, 109-127.	3.1	186

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37	Estimating Toxicity-Related Biological Pathway Altering Doses for High-Throughput Chemical Risk Assessment. Chemical Research in Toxicology, 2011, 24, 451-462.	3.3	188
38	Predictive Model of Rat Reproductive Toxicity from ToxCast High Throughput Screening1. Biology of Reproduction, 2011, 85, 327-339.	2.7	142
39	Using Nuclear Receptor Activity to Stratify Hepatocarcinogens. PLoS ONE, 2011, 6, e14584.	2.5	48
40	Activity profiles of 309 ToxCastâ„¢ chemicals evaluated across 292 biochemical targets. Toxicology, 2011, 282, 1-15.	4.2	124
41	In Vitro Screening of Environmental Chemicals for Targeted Testing Prioritization: The ToxCast Project. Environmental Health Perspectives, 2010, 118, 485-492.	6.0	519
42	Endocrine Profiling and Prioritization of Environmental Chemicals Using ToxCast Data. Environmental Health Perspectives, 2010, 118, 1714-1720.	6.0	274
43	Xenobiotic-Metabolizing Enzyme and Transporter Gene Expression in Primary Cultures of Human Hepatocytes Modulated by Toxcast Chemicals. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2010, 13, 329-346.	6.5	53
44	Impact of Environmental Chemicals on Key Transcription Regulators and Correlation to Toxicity End Points within EPAâ€™s ToxCast Program. Chemical Research in Toxicology, 2010, 23, 578-590.	3.3	190
45	Incorporating Human Dosimetry and Exposure into High-ThroughputIn VitroToxicity Screening. Toxicological Sciences, 2010, 117, 348-358.	3.1	222
46	Analysis of Eight Oil Spill Dispersants Using Rapid, In Vitro Tests for Endocrine and Other Biological Activity. Environmental Science & Technology, 2010, 44, 5979-5985.	10.0	162
47	U.S. EPAâ€™s Toxicity Reference Database: Martin and Dix Respond. Environmental Health Perspectives, 2009, 117, .	6.0	0
48	The Toxicity Data Landscape for Environmental Chemicals. Environmental Health Perspectives, 2009, 117, 685-695.	6.0	418
49	Profiling Chemicals Based on Chronic Toxicity Results from the U.S. EPA ToxRef Database. Environmental Health Perspectives, 2009, 117, 392-399.	6.0	187
50	Profiling the activity of environmental chemicals in prenatal developmental toxicity studies using the U.S. EPA's ToxRefDB. Reproductive Toxicology, 2009, 28, 209-219.	2.9	116
51	Profiling the Reproductive Toxicity of Chemicals from Multigeneration Studies in the Toxicity Reference Database. Toxicological Sciences, 2009, 110, 181-190.	3.1	120
52	ACToR â€” Aggregated Computational Toxicology Resource. Toxicology and Applied Pharmacology, 2008, 233, 7-13.	2.8	195
53	Toxicogenomic Study of Triazole Fungicides and Perfluoroalkyl Acids in Rat Livers Predicts Toxicity and Categorizes Chemicals Based on Mechanisms of Toxicity. Toxicological Sciences, 2007, 97, 595-613.	3.1	217
54	The ToxCast Program for Prioritizing Toxicity Testing of Environmental Chemicals. Toxicological Sciences, 2007, 95, 5-12.	3.1	851