

Patrick D McMullen

List of Publications by Year in descending order

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34
papers

1,871
citations

586496

16
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425179

34
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docs citations

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times ranked

3162
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological system considerations for application of toxicogenomics in next-generation risk assessment and predictive toxicology. <i>Toxicology in Vitro</i> , 2022, 80, 105311.	1.1	6
2	Considerations for Improving Metabolism Predictions for In Vitro to In Vivo Extrapolation. <i>Frontiers in Toxicology</i> , 2022, 4, 894569.	1.6	10
3	A systematic approach to evaluate plausible modes of actions for mouse lung tumors in mice exposed to 4-methylimidazole. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 124, 104977.	1.3	2
4	RNA-Sequencing (transcriptomic) Data Collected in Liver and Lung of Male and Female B6C3F1 Mice Exposed to Various Dose Levels of 4-Methylimidazole for 2, 5, or 28 days. <i>Data in Brief</i> , 2021, 38, 107420.	0.5	1
5	Identifying qualitative differences in PPAR α signaling networks in human and rat hepatocytes and their significance for next generation chemical risk assessment methods. <i>Toxicology in Vitro</i> , 2020, 64, 104463.	1.1	12
6	A toxicogenomic approach for the risk assessment of the food contaminant acetamide. <i>Toxicology and Applied Pharmacology</i> , 2020, 388, 114872.	1.3	18
7	Population Life-course exposure to health effects model (PLETHEM): An R package for PBPK modeling. <i>Computational Toxicology</i> , 2020, 13, 100115.	1.8	15
8	The role of fit-for-purpose assays within tiered testing approaches: A case study evaluating prioritized estrogen-active compounds in an in vitro human uterotrophic assay. <i>Toxicology and Applied Pharmacology</i> , 2020, 387, 114774.	1.3	10
9	The TTC Data Mart: An interactive browser for threshold of toxicological concern calculations. <i>Computational Toxicology</i> , 2020, 15, 100128.	1.8	3
10	Application of a combined aggregate exposure pathway and adverse outcome pathway (AEP-AOP) approach to inform a cumulative risk assessment: A case study with phthalates. <i>Toxicology in Vitro</i> , 2020, 66, 104855.	1.1	21
11	Addressing systematic inconsistencies between in vitro and in vivo transcriptomic mode of action signatures. <i>Toxicology in Vitro</i> , 2019, 58, 1-12.	1.1	15
12	Developing context appropriate toxicity testing approaches using new alternative methods (NAMs). <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 532-534.	0.9	30
13	Evaluating opportunities for advancing the use of alternative methods in risk assessment through the development of fit-for-purpose in vitro assays. <i>Toxicology in Vitro</i> , 2018, 48, 310-317.	1.1	25
14	A Qualitative Modeling Approach for Whole Genome Prediction Using High-Throughput Toxicogenomics Data and Pathway-Based Validation. <i>Frontiers in Pharmacology</i> , 2018, 9, 1072.	1.6	6
15	Strain-related differences in mouse lung gene expression over a two-year period of inhalation exposure to styrene: Relevance to human risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 96, 153-166.	1.3	14
16	Application of transcriptomic data, visualization tools and bioinformatics resources for informing mode of action. <i>Current Opinion in Toxicology</i> , 2018, 9, 21-27.	2.6	12
17	Combining transcriptomics and PBPK modeling indicates a primary role of hypoxia and altered circadian signaling in dichloromethane carcinogenicity in mouse lung and liver. <i>Toxicology and Applied Pharmacology</i> , 2017, 332, 149-158.	1.3	22
18	Assessing molecular initiating events (MIEs), key events (KEs) and modulating factors (MFs) for styrene responses in mouse lungs using whole genome gene expression profiling following 1-day and multi-week exposures. <i>Toxicology and Applied Pharmacology</i> , 2017, 335, 28-40.	1.3	38

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19	Multiple receptors shape the estrogen response pathway and are critical considerations for the future of <i>in vitro</i> -based risk assessment efforts. <i>Critical Reviews in Toxicology</i> , 2017, 47, 570-586.	1.9	26
20	Information-dependent enrichment analysis reveals time-dependent transcriptional regulation of the estrogen pathway of toxicity. <i>Archives of Toxicology</i> , 2017, 91, 1749-1762.	1.9	24
21	The Human Toxome Collaboratorium: A Shared Environment for Multi-Omic Computational Collaboration within a Consortium. <i>Frontiers in Pharmacology</i> , 2016, 6, 322.	1.6	8
22	Pathway Based Toxicology and Fit-for-Purpose Assays. <i>Advances in Experimental Medicine and Biology</i> , 2016, 856, 205-230.	0.8	11
23	Developing tools for defining and establishing pathways of toxicity. <i>Archives of Toxicology</i> , 2015, 89, 809-812.	1.9	11
24	Using gene expression profiling to evaluate cellular responses in mouse lungs exposed to V2O5 and a group of other mouse lung tumorigens and non-tumorigens. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 339-347.	1.3	14
25	The Human Toxome Project. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 112-124.	0.9	52
26	Profiling Dose-Dependent Activation of p53-Mediated Signaling Pathways by Chemicals with Distinct Mechanisms of DNA Damage. <i>Toxicological Sciences</i> , 2014, 142, 56-73.	1.4	43
27	A map of the PPAR α transcription regulatory network for primary human hepatocytes. <i>Chemico-Biological Interactions</i> , 2014, 209, 14-24.	1.7	89
28	MYC Is an Early Response Regulator of Human Adipogenesis in Adipose Stem Cells. <i>PLoS ONE</i> , 2014, 9, e114133.	1.1	28
29	Recent advances in 2D and 3D <i>in vitro</i> systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013, 87, 1315-1530.	1.9	1,089
30	Toxicogenomics for transcription factor-governed molecular pathways: moving on to roles beyond classification and prediction. <i>Archives of Toxicology</i> , 2013, 87, 7-11.	1.9	20
31	Identification of a Tissue-Selective Heat Shock Response Regulatory Network. <i>PLoS Genetics</i> , 2013, 9, e1003466.	1.5	100
32	Modeling Drug- and Chemical-Induced Hepatotoxicity with Systems Biology Approaches. <i>Frontiers in Physiology</i> , 2012, 3, 462.	1.3	53
33	Macro-level Modeling of the Response of <i>C. elegans</i> Reproduction to Chronic Heat Stress. <i>PLoS Computational Biology</i> , 2012, 8, e1002338.	1.5	33
34	Physically grounded approach for estimating gene expression from microarray data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13690-13695.	3.3	10