Michael J Devito

List of Publications by Year in Descending Order

99 papers	4,715 citations	38 h-index	67 g-index
103 ext. papers	5,099 ext. citations	4.5 avg, IF	5.1 L-index

#	Paper	IF	Citations
99	Benchmark Concentrations for Untargeted Metabolomics Versus Transcriptomics for Liver Injury Compounds in In Vitro Liver Models. *Toxicological Sciences*, **2021**, 181, 175-186	4.4	3
98	Exploration of xenobiotic metabolism within cell lines used for Tox21 chemical screening. *Toxicology in Vitro*, **2021**, 73, 105109	3.6	3
97	A PBPK model describing the pharmacokinetics of □HBCD exposure in mice. *Toxicology and Applied Pharmacology*, **2021**, 428, 115678	4.6	0
96	Evaluation of 5-day In Vivo Rat Liver and Kidney With High-throughput Transcriptomics for Estimating Benchmark Doses of Apical Outcomes. *Toxicological Sciences*, **2020**, 176, 343-354	4.4	15
95	KRAS-retroviral fusion transcripts and gene amplification in arsenic-transformed, human prostate CAsE-PE cancer cells. *Toxicology and Applied Pharmacology*, **2020**, 397, 115017	4.6	2
94	Toxicokinetics of perfluorohexanoic acid (PFHxA), perfluorooctanoic acid (PFOA) and perfluorodecanoic acid (PFDA) in male and female Hsd:Sprague dawley SD rats following intravenous or gavage administration. *Xenobiotica*, **2020**, 50, 722-732	2	10
93	Elevated Arsenic and Lead Concentrations in Natural Healing Clay Applied Topically as a Treatment for Ulcerative Dermatitis in Mice. *Journal of the American Association for Laboratory Animal Science*, **2020**, 59, 212-220	1.3	1
92	Evaluating Sufficient Similarity of Botanical Dietary Supplements: Combining Chemical and In Vitro Biological Data. *Toxicological Sciences*, **2019**, 172, 316-329	4.4	7
91	Using Tox21 High-Throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements. *Applied in Vitro Toxicology*, **2019**, 5, 10-25	1.3	6
90	Arsenite malignantly transforms human prostate epithelial cells in vitro by gene amplification of mutated KRAS. *PLoS ONE*, **2019**, 14, e0215504	3.7	12
89	The Power of Resolution: Contextualized Understanding of Biological Responses to Liver Injury Chemicals Using High-throughput Transcriptomics and Benchmark Concentration Modeling. *Toxicological Sciences*, **2019**, 169, 553-566	4.4	34
88	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
87	Methods for evaluating variability in human health dose-response characterization. *Human and Ecological Risk Assessment (HERA)*, **2019**, 25, 1-24	4.9	5
86	The Influence of Obesity on the Pharmacokinetics of Dioxin in Mice: An Assessment Using Classical and PBPK Modeling. *Toxicological Sciences*, **2018**, 164, 218-228	4.4	4
85	Human and animal evidence of potential transgenerational inheritance of health effects: An evidence map and state-of-the-science evaluation. *Environment International*, **2018**, 115, 48-69	12.9	16
84	Mutational analysis of pentabrominated diphenyl-induced hepatocellular tumors in rats and mice, tissue levels of PBDE congeners in rats and mice, and AhR genotyping of Wistar Han rats. *Data in Brief*, **2018**, 21, 2125-2128	1.2	1
83	Evaluation and Optimization of Pharmacokinetic Models for to Extrapolation of Estrogenic Activity for Environmental Chemicals. *Environmental Health Perspectives*, **2018**, 126, 97001	8.4	19

82	Comprehensive Analyses and Prioritization of Tox21 10K Chemicals Affecting Mitochondrial Function by in-Depth Mechanistic Studies. *Environmental Health Perspectives*, **2018**, 126, 077010	8.4	44
81	Follow that botanical: Challenges and recommendations for assessing absorption, distribution, metabolism and excretion of botanical dietary supplements. *Food and Chemical Toxicology*, **2018**, 121, 194-202	4.7	11
80	From the Cover: Three-Dimensional (3D) HepaRG Spheroid Model With Physiologically Relevant Xenobiotic Metabolism Competence and Hepatocyte Functionality for Liver Toxicity Screening. *Toxicological Sciences*, **2017**, 159, 124-136	4.4	57
79	An Intuitive Approach for Predicting Potential Human Health Risk with the Tox21 10k Library. *Environmental Science & Technology*, **2017**, 51, 10786-10796	10.3	76
78	Dose-response assessment of the dermal toxicity of Virginia cedarwood oil in F344/N rats and B6C3F1/N mice. *Food and Chemical Toxicology*, **2016**, 98, 159-168	4.7	0
77	F344/NTac Rats Chronically Exposed to Bromodichloroacetic Acid Develop Mammary Adenocarcinomas With Mixed Luminal/Basal Phenotype and Tgf Dysregulation. *Veterinary Pathology*, **2016**, 53, 170-81	2.8	1
76	Tissue time course and bioavailability of the pyrethroid insecticide bifenthrin in the Long-Evans rat. *Xenobiotica*, **2016**, 46, 430-8	2	7
75	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
74	Environmentally relevant pyrethroid mixtures: A study on the correlation of blood and brain concentrations of a mixture of pyrethroid insecticides to motor activity in the rat. *Toxicology*, **2016**, 359-360, 19-28	4.4	15
73	Genomic Profiling Reveals Unique Molecular Alterations in Hepatoblastomas and Adjacent Hepatocellular Carcinomas in B6C3F1 Mice. *Toxicologic Pathology*, **2015**, 43, 1114-26	2.1	5
72	Environmentally relevant mixing ratios in cumulative assessments: a study of the kinetics of pyrethroids and their ester cleavage metabolites in blood and brain; and the effect of a pyrethroid mixture on the motor activity of rats. *Toxicology*, **2014**, 320, 15-24	4.4	24
71	Relative potency for altered humoral immunity induced by polybrominated and polychlorinated dioxins/furans in female B6C3F1/N mice. *Toxicological Sciences*, **2014**, 139, 488-500	4.4	10
70	In vitro metabolism of thyroxine by rat and human hepatocytes. *Xenobiotica*, **2014**, 44, 391-403	2	17
69	Polybrominated dibenzo-p-dioxins, dibenzofurans, and biphenyls: inclusion in the toxicity equivalency factor concept for dioxin-like compounds. *Toxicological Sciences*, **2013**, 133, 197-208	4.4	162
68	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
67	Developmental triclosan exposure decreases maternal, fetal, and early neonatal thyroxine: a dynamic and kinetic evaluation of a putative mode-of-action. *Toxicology*, **2012**, 300, 31-45	4.4	91
66	Repeated dose toxicity and relative potency of 1,2,3,4,6,7-hexachloronaphthalene (PCN 66) 1,2,3,5,6,7-hexachloronaphthalene (PCN 67) compared to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) for induction of CYP1A1, CYP1A2 and thymic atrophy in female Harlan Sprague-Dawley rats. *Toxicology*, **2012**, 301, 85-93	4.4	26
65	A pharmacokinetic model of cis- and trans-permethrin disposition in rats and humans with aggregate exposure application. *Toxicological Sciences*, **2012**, 130, 33-47	4.4	54

64	Toxicity Equivalence Factors for Dioxin and Related Compounds **2012**, 37-52		1
63	Extrapolating Dose in Vitro to Dose in Vivo of a Neurotoxic Pyrethroid Pesticide Using Empirical Approaches and a PBPK Model. *ACS Symposium Series*, **2012**, 229-241	0.4	
62	Environmentally relevant mixtures in cumulative assessments: an acute study of toxicokinetics and effects on motor activity in rats exposed to a mixture of pyrethroids. *Toxicological Sciences*, **2012**, 130, 309-18	4.4	43
61	Correlation of tissue concentrations of the pyrethroid bifenthrin with neurotoxicity in the rat. *Toxicology*, **2011**, 290, 1-6	4.4	49
60	Using a Chemical Mixture of Pyrethroid Pesticides to Determine Rodent Tissue Clearance Rates. *Epidemiology*, **2011**, 22, S249-S250	3.1	
59	Physiologically based pharmacokinetic modeling of deltamethrin: development of a rat and human diffusion-limited model. *Toxicological Sciences*, **2010**, 115, 330-43	4.4	65
58	Short-term exposure to triclosan decreases thyroxine in vivo via upregulation of hepatic catabolism in Young Long-Evans rats. *Toxicological Sciences*, **2010**, 113, 367-79	4.4	106
57	Development of a quantitative model incorporating key events in a hepatotoxic mode of action to predict tumor incidence. *Toxicological Sciences*, **2010**, 115, 253-66	4.4	6
56	Employing a Mechanistic Model for the MAPK Pathway to Examine the Impact of Cellular all or None Behavior on Overall Tissue Response. *Dose-Response*, **2010**, 8, 347-67	2.3	2
55	Development of a quantitative model of pregnane X receptor (PXR) mediated xenobiotic metabolizing enzyme induction. *Bulletin of Mathematical Biology*, **2010**, 72, 1799-819	2.1	8
54	Developmental triclosan exposure decreases maternal and neonatal thyroxine in rats. *Environmental Toxicology and Chemistry*, **2010**, 29, 2840-4	3.8	59
53	Predictive modeling of a mixture of thyroid hormone disrupting chemicals that affect production and clearance of thyroxine. *International Journal of Toxicology*, **2009**, 28, 368-81	2.4	27
52	Evidence for dose-additive effects of pyrethroids on motor activity in rats. *Environmental Health Perspectives*, **2009**, 117, 1563-70	8.4	42
51	In vivo acute exposure to polychlorinated biphenyls: effects on free and total thyroxine in rats. *International Journal of Toxicology*, **2009**, 28, 382-91	2.4	8
50	In vitro metabolism of pyrethroid pesticides by rat and human hepatic microsomes and cytochrome p450 isoforms. *Drug Metabolism and Disposition*, **2009**, 37, 221-8	4	147
49	Possible mechanisms of thyroid hormone disruption in mice by BDE 47, a major polybrominated diphenyl ether congener. *Toxicology and Applied Pharmacology*, **2008**, 226, 244-50	4.6	154
48	Relative potency based on hepatic enzyme induction predicts immunosuppressive effects of a mixture of PCDDS/PCDFS and PCBS. *Toxicology and Applied Pharmacology*, **2008**, 227, 477-84	4.6	14
47	Coordinated changes in xenobiotic metabolizing enzyme gene expression in aging male rats. *Toxicological Sciences*, **2008**, 106, 263-83	4.4	26

46	The impact of exposure to a mixture of eighteen polyhalogenated aromatic hydrocarbons on thyroid function: Estimation of an interaction threshold. *Journal of Agricultural, Biological, and Environmental Statistics*, **2007**, 12, 96-111	1.9	8
45	Identification of rat and human cytochrome p450 isoforms and a rat serum esterase that metabolize the pyrethroid insecticides deltamethrin and esfenvalerate. *Drug Metabolism and Disposition*, **2007**, 35, 1664-71	4	107
44	Short-term in vivo exposure to the water contaminant triclosan: Evidence for disruption of thyroxine. *Environmental Toxicology and Pharmacology*, **2007**, 24, 194-7	5.8	174
43	Use of a physiologically based pharmacokinetic model for rats to study the influence of body fat mass and induction of CYP1A2 on the pharmacokinetics of TCDD. *Environmental Health Perspectives* , **2006**, 114, 1394-400	8.4	58
42	Development of a refined database of mammalian relative potency estimates for dioxin-like compounds. *Toxicological Sciences*, **2006**, 89, 4-30	4.4	103
41	Species differences in the in vitro metabolism of deltamethrin and esfenvalerate: differential oxidative and hydrolytic metabolism by humans and rats. *Drug Metabolism and Disposition*, **2006**, 34, 1764-71	4	86
40	Toxicology of Dioxins and Dioxinlike Compounds **2005**, 137-157		1
39	Endocrine disrupting chemical emissions from combustion sources: diesel particulate emissions and domestic waste open burn emissions. *Atmospheric Environment*, **2005**, 39, 801-811	5.3	86
38	DoseResponse Modeling for 2,3,7,8-Tetrachlorodibenzo-p-Dioxin **2005**, 247-298		
37	Thyroid-hormone-disrupting chemicals: evidence for dose-dependent additivity or synergism. *Environmental Health Perspectives*, **2005**, 113, 1549-54	8.4	159
36	Inhibition of human and rat CYP1A2 by TCDD and dioxin-like chemicals. *Toxicological Sciences*, **2005**, 84, 225-31	4.4	34
35	Comparison of the use of a physiologically based pharmacokinetic model and a classical pharmacokinetic model for dioxin exposure assessments. *Environmental Health Perspectives*, **2005**, 113, 1666-8	8.4	63
34	Physiologically based pharmacokinetic model for developmental exposures to TCDD in the rat. *Toxicological Sciences*, **2004**, 80, 115-33	4.4	40
33	EGF and TGF-alpha expression influence the developmental toxicity of TCDD: dose response and AhR phenotype in EGF, TGF-alpha, and EGF + TGF-alpha knockout mice. *Toxicological Sciences*, **2003**, 71, 84-95	4.4	29
32	Exposure assessment to dioxins from the use of tampons and diapers. *Environmental Health Perspectives*, **2002**, 110, 23-8	8.4	29
31	Lack of antiandrogenic effects in adult male rats following acute exposure to 2,2-bis(4-chlorophenyl)-1,1-dichloroethylene (p,pRDDE). *Toxicology*, **2002**, 174, 69-78	4.4	12
30	Comparative responsiveness of hypothyroxinemia and hepatic enzyme induction in Long-Evans rats versus C57BL/6J mice exposed to TCDD-like and phenobarbital-like polychlorinated biphenyl congeners. *Toxicological Sciences*, **2002**, 68, 372-80	4.4	73
29	Developmental exposure to brominated diphenyl ethers results in thyroid hormone disruption. *Toxicological Sciences*, **2002**, 66, 105-16	4.4	397

28	Effects of short-term in vivo exposure to polybrominated diphenyl ethers on thyroid hormones and hepatic enzyme activities in weanling rats. *Toxicological Sciences*, **2001**, 61, 76-82	4.4	349
27	Subchronic Exposure of [3H]- 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in female B6C3F1 mice: relationship of steady-state levels to disposition and metabolism. *Toxicological Sciences*, **2001**, 61, 241-55	4.4	34
26	Sensitivity of the SRBC PFC assay versus ELISA for detection of immunosuppression by TCDD and TCDD-like congeners. *Toxicology*, **2000**, 156, 1-11	4.4	29
25	Dose-response relationships for induction of CYP1A1 and CYP1A2 enzyme activity in liver, lung, and skin in female mice following subchronic exposure to polychlorinated biphenyls. *Toxicology and Applied Pharmacology*, **2000**, 167, 157-72	4.6	31
24	A pharmacodynamic analysis of TCDD-induced cytochrome P450 gene expression in multiple tissues: dose- and time-dependent effects. *Toxicology and Applied Pharmacology*, **1998**, 151, 294-310	4.6	37
23	Induction of oxidative stress in brain tissues of mice after subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicological Sciences*, **1998**, 42, 23-7	4.4	14
22	Dose-Response Relationships for Disposition and Hepatic Sequestration of Polyhalogenated Dibenzo-p-dioxins, Dibenzofurans, and Biphenyls Following Subchronic Treatment in Mice. *Toxicological Sciences*, **1998**, 46, 223-234	4.4	77
21	2,3,7,8-Tetrachlorodibenzo-p-dioxin in Pregnant Long Evans Rats: Disposition to Maternal and Embryo/Fetal Tissues. *Toxicological Sciences*, **1998**, 45, 129-136	4.4	26
20	An alternative to TURA. *P2 Pollution Prevention Review*, **1998**, 8, 95-105		
19	Opposite effects of 2,2′,4,4′,5,5′-hexachlorobiphenyl and 2,3,7,8-tetrachlorodibenzo-p-dioxin on the antibody response to sheep erythrocytes in mice. *Fundamental and Applied Toxicology*, **1997**, 37, 141-9		30
18	Dose-response relationships for polyhalogenated dioxins and dibenzofurans following subchronic treatment in mice. I. CYP1A1 and CYP1A2 enzyme activity in liver, lung, and skin. *Toxicology and Applied Pharmacology*, **1997**, 147, 267-80	4.6	66
17	Interactive Effects between 2,3,7,8-Tetrachlorodibenzo-p-dioxin and 2,2?,4,4?,5,5?-Hexachlorobiphenyl in Female B6C3F1 Mice: Tissue Distribution and Tissue-Specific Enzyme Induction. *Toxicological Sciences*, **1996**, 34, 118-131	4.4	
16	Relative potencies of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls derived from hepatic porphyrin accumulation in mice. *Toxicology and Applied Pharmacology*, **1996**, 138, 98-109	4.6	41
15	Subcellular Localization of TCDD Differs between the Liver, Lungs, and Kidneys after Acute and Subchronic Exposure: Species/Dose Comparisons and Possible Mechanism. *Toxicological Sciences*, **1996**, 34, 265-275	4.4	
14	Relationship between CYP1A enzyme activities and protein levels in rats treated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1996**, 47, 379-94	3.2	18
13	Dioxins: model chemicals for assessing receptor-mediated toxicity. *Toxicology*, **1995**, 102, 115-23	4.4	41
12	Comparisons of estimated human body burdens of dioxinlike chemicals and TCDD body burdens in experimentally exposed animals. *Environmental Health Perspectives*, **1995**, 103, 820-31	8.4	146
11	The Importance of Pharmacokinetics in Determining the Relative Potency of 2,3,7,8-Tetrachlorodibenzo-p-dioxin and 2,3,7,8-Tetrachlorodibenzofuran. *Toxicological Sciences*, **1995**, 24, 145-148	4.4	4

10	Induction of cytochrome P450 isoenzymes after toxicokinetic interactions between 2,3,7,8-tetrachlorodibenzo-p-dioxin and 2,2′,4,4′,5,5′-hexachlorobiphenyl in the liver of the mouse. *Fundamental and Applied Toxicology*, **1995**, 25, 264-70		22
9	The effects of 2,2′,4,4′,5,5′-hexachlorobiphenyl cotreatment on the disposition of 2,3,7,8-tetrachlorodibenzo-p-dioxin in mice. *Toxicology Letters*, **1995**, 80, 131-7	4.4	6
8	Use of toxic equivalency factors for risk assessment for dioxins and related compounds. *Toxicology*, **1995**, 105, 391-401	4.4	124
7	Dose-response relationships in mice following subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin: CYP1A1, CYP1A2, estrogen receptor, and protein tyrosine phosphorylation. *Toxicology and Applied Pharmacology*, **1994**, 124, 82-90	4.6	65
6	Toxicology of Dioxins and Related Chemicals **1994**, 139-162		36
5	Comparative Ability of Various PCBs, PCDFs, and TCDD to Induce Cytochrome P450 1A1 and 1A2 Activity Following 4 Weeks of Treatment. *Toxicological Sciences*, **1993**, 20, 125-130	4.4	2
4	Antiestrogenic action of 2,3,7,8-tetrachlorodibenzo-p-dioxin: tissue-specific regulation of estrogen receptor in CD1 mice. *Toxicology and Applied Pharmacology*, **1992**, 113, 284-92	4.6	100
3	Ascorbic Acid Reduces and Diethyldithiocarbamate Potentiates Methamphetamine-induced Dopamine and Serotonin Depletions. *Annals of the New York Academy of Sciences*, **1987**, 498, 527-529	6.5	
2	Pargyline and naltrexone fail to antagonize the gustatory avoidance response induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. *Drug and Alcohol Dependence*, **1986**, 18, 293-9	4.9	2
1	Methods used for the collection and analysis of chemical and biological data for the Tapwater Exposure Study, United States, 2016–17. *US Geological Survey Open-File Report*,		2