

# Michael J Devito

## List of Publications by Citations

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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	Developmental exposure to brominated diphenyl ethers results in thyroid hormone disruption. <i>Toxicological Sciences</i> , <b>2002</b> , 66, 105-16	4.4	397
98	Effects of short-term in vivo exposure to polybrominated diphenyl ethers on thyroid hormones and hepatic enzyme activities in weanling rats. <i>Toxicological Sciences</i> , <b>2001</b> , 61, 76-82	4.4	349
97	Incorporating new technologies into toxicity testing and risk assessment: moving from 21st century vision to a data-driven framework. <i>Toxicological Sciences</i> , <b>2013</b> , 136, 4-18	4.4	195
96	Short-term in vivo exposure to the water contaminant triclosan: Evidence for disruption of thyroxine. <i>Environmental Toxicology and Pharmacology</i> , <b>2007</b> , 24, 194-7	5.8	174
95	Polybrominated dibenzo-p-dioxins, dibenzofurans, and biphenyls: inclusion in the toxicity equivalency factor concept for dioxin-like compounds. <i>Toxicological Sciences</i> , <b>2013</b> , 133, 197-208	4.4	162
94	Thyroid-hormone-disrupting chemicals: evidence for dose-dependent additivity or synergism. <i>Environmental Health Perspectives</i> , <b>2005</b> , 113, 1549-54	8.4	159
93	Possible mechanisms of thyroid hormone disruption in mice by BDE 47, a major polybrominated diphenyl ether congener. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 226, 244-50	4.6	154
92	In vitro metabolism of pyrethroid pesticides by rat and human hepatic microsomes and cytochrome p450 isoforms. <i>Drug Metabolism and Disposition</i> , <b>2009</b> , 37, 221-8	4	147
91	Comparisons of estimated human body burdens of dioxinlike chemicals and TCDD body burdens in experimentally exposed animals. <i>Environmental Health Perspectives</i> , <b>1995</b> , 103, 820-31	8.4	146
90	Use of toxic equivalency factors for risk assessment for dioxins and related compounds. <i>Toxicology</i> , <b>1995</b> , 105, 391-401	4.4	124
89	Identification of rat and human cytochrome p450 isoforms and a rat serum esterase that metabolize the pyrethroid insecticides deltamethrin and esfenvalerate. <i>Drug Metabolism and Disposition</i> , <b>2007</b> , 35, 1664-71	4	107
88	Short-term exposure to triclosan decreases thyroxine in vivo via upregulation of hepatic catabolism in Young Long-Evans rats. <i>Toxicological Sciences</i> , <b>2010</b> , 113, 367-79	4.4	106
87	Development of a refined database of mammalian relative potency estimates for dioxin-like compounds. <i>Toxicological Sciences</i> , <b>2006</b> , 89, 4-30	4.4	103
86	Anti-estrogenic action of 2,3,7,8-tetrachlorodibenzo-p-dioxin: tissue-specific regulation of estrogen receptor in CD1 mice. <i>Toxicology and Applied Pharmacology</i> , <b>1992</b> , 113, 284-92	4.6	100
85	Developmental triclosan exposure decreases maternal, fetal, and early neonatal thyroxine: a dynamic and kinetic evaluation of a putative mode-of-action. <i>Toxicology</i> , <b>2012</b> , 300, 31-45	4.4	91
84	Species differences in the in vitro metabolism of deltamethrin and esfenvalerate: differential oxidative and hydrolytic metabolism by humans and rats. <i>Drug Metabolism and Disposition</i> , <b>2006</b> , 34, 1764-71	4	86
83	Endocrine disrupting chemical emissions from combustion sources: diesel particulate emissions and domestic waste open burn emissions. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 801-811	5.3	86

82	Dose-Response Relationships for Disposition and Hepatic Sequestration of Polyhalogenated Dibenzo-p-dioxins, Dibenzofurans, and Biphenyls Following Subchronic Treatment in Mice. <i>Toxicological Sciences</i> , <b>1998</b> , 46, 223-234	4.4	77
81	An Intuitive Approach for Predicting Potential Human Health Risk with the Tox21 10k Library. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10786-10796	10.3	76
80	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. <i>Toxicological Sciences</i> , <b>2002</b> , 68, 372-80	4.4	73
79	Dose-response relationships for polyhalogenated dioxins and dibenzofurans following subchronic treatment in mice. I. CYP1A1 and CYP1A2 enzyme activity in liver, lung, and skin. <i>Toxicology and Applied Pharmacology</i> , <b>1997</b> , 147, 267-80	4.6	66
78	Physiologically based pharmacokinetic modeling of deltamethrin: development of a rat and human diffusion-limited model. <i>Toxicological Sciences</i> , <b>2010</b> , 115, 330-43	4.4	65
77	Dose-response relationships in mice following subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin: CYP1A1, CYP1A2, estrogen receptor, and protein tyrosine phosphorylation. <i>Toxicology and Applied Pharmacology</i> , <b>1994</b> , 124, 82-90	4.6	65
76	Comparison of the use of a physiologically based pharmacokinetic model and a classical pharmacokinetic model for dioxin exposure assessments. <i>Environmental Health Perspectives</i> , <b>2005</b> , 113, 1666-8	8.4	63
75	Developmental triclosan exposure decreases maternal and neonatal thyroxine in rats. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 2840-4	3.8	59
74	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
73	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. <i>Environmental Health Perspectives</i> , <b>2006</b> , 114, 1394-400	8.4	58
72	From the Cover: Three-Dimensional (3D) HepaRG Spheroid Model With Physiologically Relevant Xenobiotic Metabolism Competence and Hepatocyte Functionality for Liver Toxicity Screening. <i>Toxicological Sciences</i> , <b>2017</b> , 159, 124-136	4.4	57
71	A pharmacokinetic model of cis- and trans-permethrin disposition in rats and humans with aggregate exposure application. <i>Toxicological Sciences</i> , <b>2012</b> , 130, 33-47	4.4	54
70	Correlation of tissue concentrations of the pyrethroid bifenthrin with neurotoxicity in the rat. <i>Toxicology</i> , <b>2011</b> , 290, 1-6	4.4	49
69	Comprehensive Analyses and Prioritization of Tox21 10K Chemicals Affecting Mitochondrial Function by in-Depth Mechanistic Studies. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 077010	8.4	44
68	Environmentally relevant mixtures in cumulative assessments: an acute study of toxicokinetics and effects on motor activity in rats exposed to a mixture of pyrethroids. <i>Toxicological Sciences</i> , <b>2012</b> , 130, 309-18	4.4	43
67	A Chemical Category-Based Prioritization Approach for Selecting 75 Per- and Polyfluoroalkyl Substances (PFAS) for Tiered Toxicity and Toxicokinetic Testing. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 14501	8.4	43
66	Evidence for dose-additive effects of pyrethroids on motor activity in rats. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 1563-70	8.4	42
65	Dioxins: model chemicals for assessing receptor-mediated toxicity. <i>Toxicology</i> , <b>1995</b> , 102, 115-23	4.4	41

64	Relative potencies of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls derived from hepatic porphyrin accumulation in mice. <i>Toxicology and Applied Pharmacology</i> , <b>1996</b> , 138, 98-109	4.6	41
63	Physiologically based pharmacokinetic model for developmental exposures to TCDD in the rat. <i>Toxicological Sciences</i> , <b>2004</b> , 80, 115-33	4.4	40
62	A pharmacodynamic analysis of TCDD-induced cytochrome P450 gene expression in multiple tissues: dose- and time-dependent effects. <i>Toxicology and Applied Pharmacology</i> , <b>1998</b> , 151, 294-310	4.6	37
61	Toxicology of Dioxins and Related Chemicals <b>1994</b> , 139-162		36
60	The Power of Resolution: Contextualized Understanding of Biological Responses to Liver Injury Chemicals Using High-throughput Transcriptomics and Benchmark Concentration Modeling. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 553-566	4.4	34
59	Inhibition of human and rat CYP1A2 by TCDD and dioxin-like chemicals. <i>Toxicological Sciences</i> , <b>2005</b> , 84, 225-31	4.4	34
58	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. <i>Toxicological Sciences</i> , <b>2001</b> , 61, 241-55	4.4	34
57	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. <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 167, 157-72	4.6	31
56	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. <i>Fundamental and Applied Toxicology</i> , <b>1997</b> , 37, 141-9		30
55	Exposure assessment to dioxins from the use of tampons and diapers. <i>Environmental Health Perspectives</i> , <b>2002</b> , 110, 23-8	8.4	29
54	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. <i>Toxicological Sciences</i> , <b>2003</b> , 71, 84-95	4.4	29
53	Sensitivity of the SRBC PFC assay versus ELISA for detection of immunosuppression by TCDD and TCDD-like congeners. <i>Toxicology</i> , <b>2000</b> , 156, 1-11	4.4	29
52	Predictive modeling of a mixture of thyroid hormone disrupting chemicals that affect production and clearance of thyroxine. <i>International Journal of Toxicology</i> , <b>2009</b> , 28, 368-81	2.4	27
51	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. <i>Toxicology</i> , <b>2012</b> , 301, 85-93	4.4	26
50	Coordinated changes in xenobiotic metabolizing enzyme gene expression in aging male rats. <i>Toxicological Sciences</i> , <b>2008</b> , 106, 263-83	4.4	26
49	2,3,7,8-Tetrachlorodibenzo-p-dioxin in Pregnant Long Evans Rats: Disposition to Maternal and Embryo/Fetal Tissues. <i>Toxicological Sciences</i> , <b>1998</b> , 45, 129-136	4.4	26
48	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. <i>Toxicology</i> , <b>2014</b> , 320, 15-24	4.4	24
47	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. <i>Fundamental and Applied Toxicology</i> , <b>1995</b> , 25, 264-70		22

46	Evaluation and Optimization of Pharmacokinetic Models for to Extrapolation of Estrogenic Activity for Environmental Chemicals. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 97001	8.4	19
45	Relationship between CYP1A enzyme activities and protein levels in rats treated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>1996</b> , 47, 379-94	3.2	18
44	In vitro metabolism of thyroxine by rat and human hepatocytes. <i>Xenobiotica</i> , <b>2014</b> , 44, 391-403	2	17
43	Human and animal evidence of potential transgenerational inheritance of health effects: An evidence map and state-of-the-science evaluation. <i>Environment International</i> , <b>2018</b> , 115, 48-69	12.9	16
42	Evaluation of 5-day In Vivo Rat Liver and Kidney With High-throughput Transcriptomics for Estimating Benchmark Doses of Apical Outcomes. <i>Toxicological Sciences</i> , <b>2020</b> , 176, 343-354	4.4	15
41	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. <i>Toxicology</i> , <b>2016</b> , 359-360, 19-28	4.4	15
40	Induction of oxidative stress in brain tissues of mice after subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicological Sciences</i> , <b>1998</b> , 42, 23-7	4.4	14
39	Relative potency based on hepatic enzyme induction predicts immunosuppressive effects of a mixture of PCDDS/PCDFS and PCBS. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 227, 477-84	4.6	14
38	Arsenite malignantly transforms human prostate epithelial cells in vitro by gene amplification of mutated KRAS. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215504	3.7	12
37	Lack of antiandrogenic effects in adult male rats following acute exposure to 2,2-bis(4-chlorophenyl)-1,1-dichloroethylene (p,pRDDE). <i>Toxicology</i> , <b>2002</b> , 174, 69-78	4.4	12
36	Follow that botanical: Challenges and recommendations for assessing absorption, distribution, metabolism and excretion of botanical dietary supplements. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 121, 194-202	4.7	11
35	Relative potency for altered humoral immunity induced by polybrominated and polychlorinated dioxins/furans in female B6C3F1/N mice. <i>Toxicological Sciences</i> , <b>2014</b> , 139, 488-500	4.4	10
34	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. <i>Xenobiotica</i> , <b>2020</b> , 50, 722-732	2	10
33	In vivo acute exposure to polychlorinated biphenyls: effects on free and total thyroxine in rats. <i>International Journal of Toxicology</i> , <b>2009</b> , 28, 382-91	2.4	8
32	Development of a quantitative model of pregnane X receptor (PXR) mediated xenobiotic metabolizing enzyme induction. <i>Bulletin of Mathematical Biology</i> , <b>2010</b> , 72, 1799-819	2.1	8
31	The impact of exposure to a mixture of eighteen polyhalogenated aromatic hydrocarbons on thyroid function: Estimation of an interaction threshold. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , <b>2007</b> , 12, 96-111	1.9	8
30	Evaluating Sufficient Similarity of Botanical Dietary Supplements: Combining Chemical and In Vitro Biological Data. <i>Toxicological Sciences</i> , <b>2019</b> , 172, 316-329	4.4	7
29	Tissue time course and bioavailability of the pyrethroid insecticide bifenthrin in the Long-Evans rat. <i>Xenobiotica</i> , <b>2016</b> , 46, 430-8	2	7

28	Using Tox21 High-Throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements. <i>Applied in Vitro Toxicology</i> , <b>2019</b> , 5, 10-25	1.3	6
27	Development of a quantitative model incorporating key events in a hepatotoxic mode of action to predict tumor incidence. <i>Toxicological Sciences</i> , <b>2010</b> , 115, 253-66	4.4	6
26	The effects of 2,2,4,4,5,5-hexachlorobiphenyl cotreatment on the disposition of 2,3,7,8-tetrachlorodibenzo-p-dioxin in mice. <i>Toxicology Letters</i> , <b>1995</b> , 80, 131-7	4.4	6
25	Genomic Profiling Reveals Unique Molecular Alterations in Hepatoblastomas and Adjacent Hepatocellular Carcinomas in B6C3F1 Mice. <i>Toxicologic Pathology</i> , <b>2015</b> , 43, 1114-26	2.1	5
24	Methods for evaluating variability in human health dose-response characterization. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2019</b> , 25, 1-24	4.9	5
23	The Influence of Obesity on the Pharmacokinetics of Dioxin in Mice: An Assessment Using Classical and PBPK Modeling. <i>Toxicological Sciences</i> , <b>2018</b> , 164, 218-228	4.4	4
22	The Importance of Pharmacokinetics in Determining the Relative Potency of 2,3,7,8-Tetrachlorodibenzo-p-dioxin and 2,3,7,8-Tetrachlorodibenzofuran. <i>Toxicological Sciences</i> , <b>1995</b> , 24, 145-148	4.4	4
21	Benchmark Concentrations for Untargeted Metabolomics Versus Transcriptomics for Liver Injury Compounds in In Vitro Liver Models. <i>Toxicological Sciences</i> , <b>2021</b> , 181, 175-186	4.4	3
20	Exploration of xenobiotic metabolism within cell lines used for Tox21 chemical screening. <i>Toxicology in Vitro</i> , <b>2021</b> , 73, 105109	3.6	3
19	KRAS-retroviral fusion transcripts and gene amplification in arsenic-transformed, human prostate CA5E-PE cancer cells. <i>Toxicology and Applied Pharmacology</i> , <b>2020</b> , 397, 115017	4.6	2
18	Employing a Mechanistic Model for the MAPK Pathway to Examine the Impact of Cellular all or None Behavior on Overall Tissue Response. <i>Dose-Response</i> , <b>2010</b> , 8, 347-67	2.3	2
17	Comparative Ability of Various PCBs, PCDFs, and TCDD to Induce Cytochrome P450 1A1 and 1A2 Activity Following 4 Weeks of Treatment. <i>Toxicological Sciences</i> , <b>1993</b> , 20, 125-130	4.4	2
16	Pargyline and naltrexone fail to antagonize the gustatory avoidance response induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. <i>Drug and Alcohol Dependence</i> , <b>1986</b> , 18, 293-9	4.9	2
15	Methods used for the collection and analysis of chemical and biological data for the Tapwater Exposure Study, United States, 2016-17. <i>US Geological Survey Open-File Report</i> ,		2
14	F344/NTac Rats Chronically Exposed to Bromodichloroacetic Acid Develop Mammary Adenocarcinomas With Mixed Luminal/Basal Phenotype and Tgf $\beta$ Dysregulation. <i>Veterinary Pathology</i> , <b>2016</b> , 53, 170-81	2.8	1
13	Toxicity Equivalence Factors for Dioxin and Related Compounds <b>2012</b> , 37-52		1
12	Toxicology of Dioxins and Dioxinlike Compounds <b>2005</b> , 137-157		1
11	Elevated Arsenic and Lead Concentrations in Natural Healing Clay Applied Topically as a Treatment for Ulcerative Dermatitis in Mice. <i>Journal of the American Association for Laboratory Animal Science</i> , <b>2020</b> , 59, 212-220	1.3	1

10	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. <i>Data in Brief</i> , <b>2018</b> , 21, 2125-2128	1.2	1
9	Dose-response assessment of the dermal toxicity of Virginia cedarwood oil in F344/N rats and B6C3F1/N mice. <i>Food and Chemical Toxicology</i> , <b>2016</b> , 98, 159-168	4.7	0
8	A PBPK model describing the pharmacokinetics of $\beta$ HBCD exposure in mice. <i>Toxicology and Applied Pharmacology</i> , <b>2021</b> , 428, 115678	4.6	0
7	Extrapolating Dose in Vitro to Dose in Vivo of a Neurotoxic Pyrethroid Pesticide Using Empirical Approaches and a PBPK Model. <i>ACS Symposium Series</i> , <b>2012</b> , 229-241	0.4	
6	Using a Chemical Mixture of Pyrethroid Pesticides to Determine Rodent Tissue Clearance Rates. <i>Epidemiology</i> , <b>2011</b> , 22, S249-S250	3.1	
5	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. <i>Toxicological Sciences</i> , <b>1996</b> , 34, 118-131	4.4	
4	DoseResponse Modeling for 2,3,7,8-Tetrachlorodibenzo-p-Dioxin <b>2005</b> , 247-298		
3	Subcellular Localization of TCDD Differs between the Liver, Lungs, and Kidneys after Acute and Subchronic Exposure: Species/Dose Comparisons and Possible Mechanism. <i>Toxicological Sciences</i> , <b>1996</b> , 34, 265-275	4.4	
2	Ascorbic Acid Reduces and Diethyldithiocarbamate Potentiates Methamphetamine-induced Dopamine and Serotonin Depletions. <i>Annals of the New York Academy of Sciences</i> , <b>1987</b> , 498, 527-529	6.5	
1	An alternative to TURA. <i>P2 Pollution Prevention Review</i> , <b>1998</b> , 8, 95-105		