

# Michael J Devito

## List of Publications by Year in descending order

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98  
papers

5,677  
citations

76196

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103  
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docs citations

103  
times ranked

4929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental Exposure to Brominated Diphenyl Ethers Results in Thyroid Hormone Disruption. <i>Toxicological Sciences</i> , 2002, 66, 105-116.	1.4	448
2	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> , 2001, 61, 76-82.	1.4	410
3	Incorporating New Technologies Into Toxicity Testing and Risk Assessment: Moving From 21st Century Vision to a Data-Driven Framework. <i>Toxicological Sciences</i> , 2013, 136, 4-18.	1.4	230
4	Polybrominated Dibenzo-p-Dioxins, Dibenzofurans, and Biphenyls: Inclusion in the Toxicity Equivalency Factor Concept for Dioxin-Like Compounds. <i>Toxicological Sciences</i> , 2013, 133, 197-208.	1.4	197
5	Short-term in vivo exposure to the water contaminant triclosan: Evidence for disruption of thyroxine. <i>Environmental Toxicology and Pharmacology</i> , 2007, 24, 194-197.	2.0	193
6	Thyroid-Hormone-Disrupting Chemicals: Evidence for Dose-Dependent Additivity or Synergism. <i>Environmental Health Perspectives</i> , 2005, 113, 1549-1554.	2.8	179
7	Possible mechanisms of thyroid hormone disruption in mice by BDE 47, a major polybrominated diphenyl ether congener. <i>Toxicology and Applied Pharmacology</i> , 2008, 226, 244-250.	1.3	179
8	In Vitro Metabolism of Pyrethroid Pesticides by Rat and Human Hepatic Microsomes and Cytochrome P450 Isoforms. <i>Drug Metabolism and Disposition</i> , 2009, 37, 221-228.	1.7	161
9	Comparisons of estimated human body burdens of dioxinlike chemicals and TCDD body burdens in experimentally exposed animals.. <i>Environmental Health Perspectives</i> , 1995, 103, 820-831.	2.8	160
10	Use of toxic equivalency factors for risk assessment for dioxins and related compounds. <i>Toxicology</i> , 1995, 105, 391-401.	2.0	138
11	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> , 2007, 35, 1664-1671.	1.7	122
12	Short-term Exposure to Triclosan Decreases Thyroxine In Vivo via Upregulation of Hepatic Catabolism in Young Long-Evans Rats. <i>Toxicological Sciences</i> , 2010, 113, 367-379.	1.4	121
13	An Intuitive Approach for Predicting Potential Human Health Risk with the Tox21 10k Library. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10786-10796.	4.6	120
14	Development of a Refined Database of Mammalian Relative Potency Estimates for Dioxin-like Compounds. <i>Toxicological Sciences</i> , 2006, 89, 4-30.	1.4	115
15	Antiestrogenic action of 2,3,7,8-tetrachlorodibenzo-p-dioxin: Tissue-specific regulation of estrogen receptor in CD1 mice. <i>Toxicology and Applied Pharmacology</i> , 1992, 113, 284-292.	1.3	110
16	Endocrine disrupting chemical emissions from combustion sources: diesel particulate emissions and domestic waste open burn emissions. <i>Atmospheric Environment</i> , 2005, 39, 801-811.	1.9	106
17	Developmental triclosan exposure decreases maternal, fetal, and early neonatal thyroxine: A dynamic and kinetic evaluation of a putative mode-of-action. <i>Toxicology</i> , 2012, 300, 31-45.	2.0	104
18	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> , 2006, 34, 1764-1771.	1.7	92

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19	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> , 2002, 68, 372-380.	1.4	87
20	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> , 2017, 159, 124-136.	1.4	85
21	Physiologically Based Pharmacokinetic Modeling of Deltamethrin: Development of a Rat and Human Diffusion-Limited Model. <i>Toxicological Sciences</i> , 2010, 115, 330-343.	1.4	79
22	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> , 1998, 46, 223-234.	1.4	78
23	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> , 1994, 124, 82-90.	1.3	76
24	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> , 2019, 127, 14501.	2.8	75
25	Dose-Response Relationships for Polyhalogenated Dioxins and Dibenzofurans Following Subchronic Treatment in Mice. <i>Toxicology and Applied Pharmacology</i> , 1997, 147, 267-280.	1.3	74
26	The Next Generation of Risk Assessment Multi-Year Study—Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , 2016, 124, 1671-1682.	2.8	74
27	Comparison of the Use of a Physiologically Based Pharmacokinetic Model and a Classical Pharmacokinetic Model for Dioxin Exposure Assessments. <i>Environmental Health Perspectives</i> , 2005, 113, 1666-1668.	2.8	67
28	Developmental triclosan exposure decreases maternal and neonatal thyroxine in rats. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2840-2844.	2.2	67
29	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> , 2006, 114, 1394-1400.	2.8	64
30	Comprehensive Analyses and Prioritization of Tox21 10K Chemicals Affecting Mitochondrial Function by in-Depth Mechanistic Studies. <i>Environmental Health Perspectives</i> , 2018, 126, 077010.	2.8	60
31	A Pharmacokinetic Model of cis- and trans-Permethrin Disposition in Rats and Humans With Aggregate Exposure Application. <i>Toxicological Sciences</i> , 2012, 130, 33-47.	1.4	58
32	Correlation of tissue concentrations of the pyrethroid bifenthrin with neurotoxicity in the rat. <i>Toxicology</i> , 2011, 290, 1-6.	2.0	56
33	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> , 2019, 169, 553-566.	1.4	54
34	Toxicology of Dioxins and Related Chemicals. , 1994, , 139-162.		52
35	Evidence for Dose-Additive Effects of Pyrethroids on Motor Activity in Rats. <i>Environmental Health Perspectives</i> , 2009, 117, 1563-1570.	2.8	51
36	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> , 2012, 130, 309-318.	1.4	49

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37	Physiologically Based Pharmacokinetic Model for Developmental Exposures to TCDD in the Rat. <i>Toxicological Sciences</i> , 2004, 80, 115-133.	1.4	47
38	Relative Potencies of Polychlorinated Dibenzo-p-dioxins, Dibenzofurans, and Biphenyls Derived from Hepatic Porphyrin Accumulation in Mice. <i>Toxicology and Applied Pharmacology</i> , 1996, 138, 98-109.	1.3	46
39	Dioxins: model chemicals for assessing receptor-mediated toxicity. <i>Toxicology</i> , 1995, 102, 115-123.	2.0	45
40	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> , 2020, 176, 343-354.	1.4	45
41	Exposure assessment to dioxins from the use of tampons and diapers.. <i>Environmental Health Perspectives</i> , 2002, 110, 23-28.	2.8	42
42	A Pharmacodynamic Analysis of TCDD-Induced Cytochrome P450 Gene Expression in Multiple Tissues: Dose- and Time-Dependent Effects. <i>Toxicology and Applied Pharmacology</i> , 1998, 151, 294-310.	1.3	41
43	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> , 2001, 61, 241-255.	1.4	39
44	Inhibition of Human and Rat CYP1A2 by TCDD and Dioxin-like Chemicals. <i>Toxicological Sciences</i> , 2005, 84, 225-231.	1.4	38
45	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> , 1993, 20, 125-130.	1.4	37
46	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> , 2003, 71, 84-95.	1.4	37
47	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> , 2000, 167, 157-172.	1.3	35
48	2,3,7,8-Tetrachlorodibenzo-p-dioxin in Pregnant Long Evans Rats: Disposition to Maternal and Embryo/Fetal Tissues. <i>Toxicological Sciences</i> , 1998, 45, 129-136.	1.4	33
49	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> , 2012, 301, 85-93.	2.0	32
50	Opposite Effects of 2,2',4,4'-Hexachlorobiphenyl and 2,3,7,8-Tetrachlorodibenzo-p-dioxin on the Antibody Response to Sheep Erythrocytes in Mice.. <i>Fundamental and Applied Toxicology</i> , 1997, 37, 141-149.	1.9	31
51	Evaluation and Optimization of Pharmacokinetic Models for <i>in Vitro</i> to <i>in Vivo</i> Extrapolation of Estrogenic Activity for Environmental Chemicals. <i>Environmental Health Perspectives</i> , 2018, 126, 97001.	2.8	31
52	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> , 2020, 50, 722-732.	0.5	31
53	Sensitivity of the SRBC PFC assay versus ELISA for detection of immunosuppression by TCDD and TCDD-like congeners. <i>Toxicology</i> , 2000, 156, 1-11.	2.0	30
54	Induction of Oxidative Stress in Brain Tissues of Mice after Subchronic Exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. <i>Toxicological Sciences</i> , 1998, 42, 23-27.	1.4	28

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55	Coordinated Changes in Xenobiotic Metabolizing Enzyme Gene Expression in Aging Male Rats. <i>Toxicological Sciences</i> , 2008, 106, 263-283.	1.4	28
56	Predictive Modeling of a Mixture of Thyroid Hormone Disrupting Chemicals That Affect Production and Clearance of Thyroxine. <i>International Journal of Toxicology</i> , 2009, 28, 368-381.	0.6	28
57	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> , 1995, 25, 264-270.	1.9	27
58	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> , 2014, 320, 15-24.	2.0	25
59	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> , 1996, 47, 379-394.	1.1	24
60	<i>In vitro</i> metabolism of thyroxine by rat and human hepatocytes. <i>Xenobiotica</i> , 2014, 44, 391-403.	0.5	24
61	Human and animal evidence of potential transgenerational inheritance of health effects: An evidence map and state-of-the-science evaluation. <i>Environment International</i> , 2018, 115, 48-69.	4.8	22
62	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> , 2016, 359-360, 19-28.	2.0	18
63	Arsenite malignantly transforms human prostate epithelial cells <i>in vitro</i> by gene amplification of mutated KRAS. <i>PLoS ONE</i> , 2019, 14, e0215504.	1.1	16
64	Relative potency based on hepatic enzyme induction predicts immunosuppressive effects of a mixture of PCDDS/PCDFS and PCBS. <i>Toxicology and Applied Pharmacology</i> , 2008, 227, 477-484.	1.3	15
65	Evaluating Sufficient Similarity of Botanical Dietary Supplements: Combining Chemical and <i>In Vitro</i> Biological Data. <i>Toxicological Sciences</i> , 2019, 172, 316-329.	1.4	15
66	Using Tox21 High-Throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements. <i>Applied in Vitro Toxicology</i> , 2019, 5, 10-25.	0.6	15
67	Relative Potency for Altered Humoral Immunity Induced by Polybrominated and Polychlorinated Dioxins/Furans in Female B6C3F1/N Mice. <i>Toxicological Sciences</i> , 2014, 139, 488-500.	1.4	14
68	Follow that botanical: Challenges and recommendations for assessing absorption, distribution, metabolism and excretion of botanical dietary supplements. <i>Food and Chemical Toxicology</i> , 2018, 121, 194-202.	1.8	14
69	Methods for evaluating variability in human health dose-response characterization. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 1755-1778.	1.7	13
70	Lack of antiandrogenic effects in adult male rats following acute exposure to 2,2-bis(4-chlorophenyl)-1,1-dichloroethylene (p,p'-DDE). <i>Toxicology</i> , 2002, 174, 69-78.	2.0	12
71	Benchmark Concentrations for Untargeted Metabolomics Versus Transcriptomics for Liver Injury Compounds in <i>In Vitro</i> Liver Models. <i>Toxicological Sciences</i> , 2021, 181, 175-186.	1.4	11
72	Exploration of xenobiotic metabolism within cell lines used for Tox21 chemical screening. <i>Toxicology in Vitro</i> , 2021, 73, 105109.	1.1	10

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73	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> , 2007, 12, 96-111.	0.7	9
74	Development of a Quantitative Model of Pregnane X Receptor (PXR) Mediated Xenobiotic Metabolizing Enzyme Induction. <i>Bulletin of Mathematical Biology</i> , 2010, 72, 1799-1819.	0.9	9
75	Tissue time course and bioavailability of the pyrethroid insecticide bifenthrin in the Long-Evans rat. <i>Xenobiotica</i> , 2016, 46, 430-438.	0.5	9
76	In Vivo Acute Exposure to Polychlorinated Biphenyls: Effects on Free and Total Thyroxine in Rats. <i>International Journal of Toxicology</i> , 2009, 28, 382-391.	0.6	8
77	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> , 1995, 80, 131-137.	0.4	7
78	Development of a Quantitative Model Incorporating Key Events in a Hepatotoxic Mode of Action to Predict Tumor Incidence. <i>Toxicological Sciences</i> , 2010, 115, 253-266.	1.4	7
79	A PBPK model describing the pharmacokinetics of <sup>13</sup> C-HBCD exposure in mice. <i>Toxicology and Applied Pharmacology</i> , 2021, 428, 115678.	1.3	7
80	KRAS-retroviral fusion transcripts and gene amplification in arsenic-transformed, human prostate CAse-PE cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2020, 397, 115017.	1.3	6
81	Toxicology of Dioxins and Dioxinlike Compounds. , 2005, , 137-157.		5
82	Genomic Profiling Reveals Unique Molecular Alterations in Hepatoblastomas and Adjacent Hepatocellular Carcinomas in B6C3F1 Mice. <i>Toxicologic Pathology</i> , 2015, 43, 1114-1126.	0.9	5
83	The Influence of Obesity on the Pharmacokinetics of Dioxin in Mice: An Assessment Using Classical and PBPK Modeling. <i>Toxicological Sciences</i> , 2018, 164, 218-228.	1.4	5
84	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> , 1995, 24, 145-148.	1.4	4
85	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> , 2018, 21, 2125-2128.	0.5	4
86	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> , 2020, 59, 212-220.	0.6	3
87	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> , 1986, 18, 293-299.	1.6	2
88	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> , 2010, 8, dose-response.0.	0.7	2
89	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> , 2016, 98, 159-168.	1.8	2
90	F344/NTac Rats Chronically Exposed to Bromodichloroacetic Acid Develop Mammary Adenocarcinomas With Mixed Luminal/Basal Phenotype and <i>Tgf<math>\beta</math>2</i> Dysregulation. <i>Veterinary Pathology</i> , 2016, 53, 170-181.	0.8	2

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91	Ascorbic Acid Reduces and Diethylthiocarbamate Potentiates Methamphetamine-induced Dopamine and Serotonin Depletions. <i>Annals of the New York Academy of Sciences</i> , 1987, 498, 527-529.	1.8	0
92	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> , 1996, 34, 265-275.	1.4	0
93	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> , 1996, 34, 118-131.	1.4	0
94	Dose-Response Modeling for 2,3,7,8-Tetrachlorodibenzo-p-Dioxin. , 2005, , 247-298.		0
95	Using a Chemical Mixture of Pyrethroid Pesticides to Determine Rodent Tissue Clearance Rates. <i>Epidemiology</i> , 2011, 22, S249-S250.	1.2	0
96	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> , 2012, , 229-241.	0.5	0
97	Foreword *. , 2013, , xxiii-xxiv.		0
98	An alternative to TURA. <i>P2 Pollution Prevention Review</i> , 1998, 8, 95-105.	0.0	0