

Kevin M Crofton

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8018866/kevin-m-crofton-publications-by-citations.pdf>
Version: 2024-04-11

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

118 papers	8,034 citations	52 h-index	88 g-index
120 ext. papers	8,832 ext. citations	4.5 avg, IF	5.74 L-index

#	Paper	IF	Citations
¹¹⁸	Developmental exposure to brominated diphenyl ethers results in thyroid hormone disruption. <i>Toxicological Sciences</i> , 2002 , 66, 105-16	4.4	397
¹¹⁷	Developmental neurotoxicity of pyrethroid insecticides: critical review and future research needs. <i>Environmental Health Perspectives</i> , 2005 , 113, 123-36	8.4	374
¹¹⁶	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	4.4	349
¹¹⁵	ToxCast Chemical Landscape: Paving the Road to 21st Century Toxicology. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1225-51	4	301
¹¹⁴	Applying Adverse Outcome Pathways (AOPs) to support Integrated Approaches to Testing and Assessment (IATA). <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 70, 629-40	3.4	237
¹¹³	Assessment of DE-71, a commercial polybrominated diphenyl ether (PBDE) mixture, in the EDSP male and female pubertal protocols. <i>Toxicological Sciences</i> , 2004 , 78, 144-55	4.4	207
¹¹²	The effects of triclosan on puberty and thyroid hormones in male Wistar rats. <i>Toxicological Sciences</i> , 2009 , 107, 56-64	4.4	203
¹¹¹	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18 In Vitro High-Throughput Screening Assays for the Estrogen Receptor. <i>Toxicological Sciences</i> , 2015 , 148, 137-54	4.4	201
¹¹⁰	Thyroid-disrupting chemicals: interpreting upstream biomarkers of adverse outcomes. <i>Environmental Health Perspectives</i> , 2009 , 117, 1033-41	8.4	196
¹⁰⁹	Risk assessment of combined exposure to multiple chemicals: A WHO/IPCS framework. <i>Regulatory Toxicology and Pharmacology</i> , 2011 , 60, S1-S1	3.4	190
¹⁰⁸	Thyroid disrupting chemicals: mechanisms and mixtures. <i>Journal of Developmental and Physical Disabilities</i> , 2008 , 31, 209-23		176
¹⁰⁷	Short-term in vivo exposure to the water contaminant triclosan: Evidence for disruption of thyroxine. <i>Environmental Toxicology and Pharmacology</i> , 2007 , 24, 194-7	5.8	174
¹⁰⁶	Thyroid-hormone-disrupting chemicals: evidence for dose-dependent additivity or synergism. <i>Environmental Health Perspectives</i> , 2005 , 113, 1549-54	8.4	159
¹⁰⁵	In utero and lactational exposure to bisphenol A, in contrast to ethinyl estradiol, does not alter sexually dimorphic behavior, puberty, fertility, and anatomy of female LE rats. <i>Toxicological Sciences</i> , 2010 , 114, 133-48	4.4	147
¹⁰⁴	Mechanism-based testing strategy using in vitro approaches for identification of thyroid hormone disrupting chemicals. <i>Toxicology in Vitro</i> , 2013 , 27, 1320-46	3.6	143
¹⁰³	Overview: Using mode of action and life stage information to evaluate the human relevance of animal toxicity data. <i>Critical Reviews in Toxicology</i> , 2005 , 35, 664-72	5.7	142
¹⁰²	EditorQ Highlight: Analysis of the Effects of Cell Stress and Cytotoxicity on In Vitro Assay Activity Across a Diverse Chemical and Assay Space. <i>Toxicological Sciences</i> , 2016 , 152, 323-39	4.4	125

101	Workgroup report: incorporating in vitro alternative methods for developmental neurotoxicity into international hazard and risk assessment strategies. <i>Environmental Health Perspectives</i> , 2007 , 115, 924-31	8.4	123
100	A retrospective performance assessment of the developmental neurotoxicity study in support of OECD test guideline 426. <i>Environmental Health Perspectives</i> , 2009 , 117, 17-25	8.4	120
99	Using in vitro high throughput screening assays to identify potential endocrine-disrupting chemicals. <i>Environmental Health Perspectives</i> , 2013 , 121, 7-14	8.4	119
98	The flame retardants, polybrominated diphenyl ethers, are pregnane X receptor activators. <i>Toxicological Sciences</i> , 2007 , 97, 94-102	4.4	118
97	Solvent-induced ototoxicity in rats: an atypical selective mid-frequency hearing deficit. <i>Hearing Research</i> , 1994 , 80, 25-30	3.9	117
96	Critical analysis of literature on low-dose synergy for use in screening chemical mixtures for risk assessment. <i>Critical Reviews in Toxicology</i> , 2011 , 41, 369-83	5.7	109
95	Thyroxine Replacement Attenuates Hypothyroxinemia, Hearing Loss, and Motor Deficits Following Developmental Exposure to Aroclor 1254 in Rats. <i>Toxicological Sciences</i> , 1998 , 45, 94-105	4.4	109
94	International STakeholder NETwork (ISTNET): creating a developmental neurotoxicity (DNT) testing road map for regulatory purposes. <i>Archives of Toxicology</i> , 2015 , 89, 269-87	5.8	107
93	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, 367-79	4.4	106
92	In vitro and modelling approaches to risk assessment from the U.S. Environmental Protection Agency ToxCast programme. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014 , 115, 69-76	3.1	96
91	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	4.4	91
90	Advancing the science of developmental neurotoxicity (DNT): testing for better safety evaluation. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012 , 29, 202-15	4.3	86
89	Current perspectives on the use of alternative species in human health and ecological hazard assessments. <i>Environmental Health Perspectives</i> , 2013 , 121, 1002-10	8.4	80
88	Spatial reversal learning in Aroclor 1254-exposed rats: sex-specific deficits in associative ability and inhibitory control. <i>Toxicology and Applied Pharmacology</i> , 2001 , 174, 188-98	4.6	80
87	Developmental neurotoxicity testing: recommendations for developing alternative methods for the screening and prioritization of chemicals. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2011 , 28, 9-15	4.3	80
86	Developmental neurotoxicity testing: a path forward. <i>Congenital Anomalies (discontinued)</i> , 2012 , 52, 140-161	4.1	79
85	Mode of action: developmental thyroid hormone insufficiency--neurological abnormalities resulting from exposure to propylthiouracil. <i>Critical Reviews in Toxicology</i> , 2005 , 35, 771-81	5.7	78
84	Effects of toluene inhalation on detection of auditory signals in rats. <i>Neurotoxicology and Teratology</i> , 1994 , 16, 149-60	3.9	78

83	Putative adverse outcome pathways relevant to neurotoxicity. <i>Critical Reviews in Toxicology</i> , 2015 , 45, 83-91	5.7	76
82	Hearing loss following exposure during development to polychlorinated biphenyls: a cochlear site of action. <i>Hearing Research</i> , 2000 , 144, 196-204	3.9	76
81	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, 372-80	4.4	73
80	Recommendation on test readiness criteria for new approach methods in toxicology: Exemplified for developmental neurotoxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018 , 35, 306-352	4.3	71
79	Consensus statement on the need for innovation, transition and implementation of developmental neurotoxicity (DNT) testing for regulatory purposes. <i>Toxicology and Applied Pharmacology</i> , 2018 , 354, 3-6	4.6	69
78	Effects of two pyrethroid insecticides on motor activity and the acoustic startle response in the rat. <i>Toxicology and Applied Pharmacology</i> , 1984 , 75, 318-28	4.6	68
77	Tiered High-Throughput Screening Approach to Identify Thyroperoxidase Inhibitors Within the ToxCast Phase I and II Chemical Libraries. <i>Toxicological Sciences</i> , 2016 , 151, 160-80	4.4	67
76	In vitro perturbations of targets in cancer hallmark processes predict rodent chemical carcinogenesis. <i>Toxicological Sciences</i> , 2013 , 131, 40-55	4.4	60
75	Developmental triclosan exposure decreases maternal and neonatal thyroxine in rats. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 2840-4	3.8	59
74	Pathways of Toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014 , 31, 53-61	4.3	59
73	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	8.4	59
72	Mode of action: neurotoxicity induced by thyroid hormone disruption during development--hearing loss resulting from exposure to PHAHs. <i>Critical Reviews in Toxicology</i> , 2005 , 35, 757-69	5.7	58
71	Expanding the test set: Chemicals with potential to disrupt mammalian brain development. <i>Neurotoxicology and Teratology</i> , 2015 , 52, 25-35	3.9	56
70	Meeting report: moving upstream-evaluating adverse upstream end points for improved risk assessment and decision-making. <i>Environmental Health Perspectives</i> , 2008 , 116, 1568-75	8.4	56
69	Effect of PCB 126 on hepatic metabolism of thyroxine and perturbations in the hypothalamic-pituitary-thyroid axis in the rat. <i>Toxicological Sciences</i> , 2006 , 90, 87-95	4.4	56
68	Developmental neurotoxicity guideline study: issues with methodology, evaluation and regulation. <i>Congenital Anomalies (discontinued)</i> , 2012 , 52, 122-8	1.1	55
67	Comparison of PC12 and cerebellar granule cell cultures for evaluating neurite outgrowth using high content analysis. <i>Neurotoxicology and Teratology</i> , 2010 , 32, 25-35	3.9	55
66	Development of a thyroperoxidase inhibition assay for high-throughput screening. <i>Chemical Research in Toxicology</i> , 2014 , 27, 387-99	4	52

65	Defining and modeling known adverse outcome pathways: Domoic acid and neuronal signaling as a case study. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 9-21	3.8	52
64	Correlation of tissue concentrations of the pyrethroid bifenthrin with neurotoxicity in the rat. <i>Toxicology</i> , 2011 , 290, 1-6	4.4	49
63	Accumulation of PBDE-47 in primary cultures of rat neocortical cells. <i>Toxicological Sciences</i> , 2004 , 82, 164-9	4.4	49
62	Perinatal exposure to Aroclor 1254 impairs distortion product otoacoustic emissions (DPOAEs) in rats. <i>Toxicological Sciences</i> , 2002 , 68, 458-64	4.4	47
61	Evaluating Chemicals for Thyroid Disruption: Opportunities and Challenges with in Vitro Testing and Adverse Outcome Pathway Approaches. <i>Environmental Health Perspectives</i> , 2019 , 127, 95001	8.4	44
60	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, 309-18	4.4	43
59	Developmental neurotoxicity: evaluation of testing procedures with methylazoxymethanol and methylmercury. <i>Fundamental and Applied Toxicology</i> , 1994 , 23, 447-64		43
58	The human toxome project. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015 , 32, 112-24	4.3	43
57	Developmental neurotoxicity testing: recommendations for developing alternative methods for the screening and prioritization of chemicals. <i>ALTEX: Alternatives To Animal Experimentation</i> , 9-15	4.3	43
56	Evidence for dose-additive effects of pyrethroids on motor activity in rats. <i>Environmental Health Perspectives</i> , 2009 , 117, 1563-70	8.4	42
55	Undertaking positive control studies as part of developmental neurotoxicity testing: a report from the ILSI Research Foundation/Risk Science Institute expert working group on neurodevelopmental endpoints. <i>Neurotoxicology and Teratology</i> , 2008 , 30, 266-87	3.9	42
54	Additivity of pyrethroid actions on sodium influx in cerebrocortical neurons in primary culture. <i>Environmental Health Perspectives</i> , 2011 , 119, 1239-46	8.4	41
53	Thyroxine replacement attenuates hypothyroxinemia, hearing loss, and motor deficits following developmental exposure to Aroclor 1254 in rats. <i>Toxicological Sciences</i> , 1998 , 45, 94-105	4.4	41
52	Evidence for triclosan-induced activation of human and rodent xenobiotic nuclear receptors. <i>Toxicology in Vitro</i> , 2013 , 27, 2049-60	3.6	40
51	Trichloroethylene Ototoxicity: Evidence for a Cochlear Origin. <i>Toxicological Sciences</i> , 1998 , 42, 28-35	4.4	40
50	Triadimefon, a triazole fungicide, induces stereotyped behavior and alters monoamine metabolism in rats. <i>Toxicology and Applied Pharmacology</i> , 1990 , 102, 474-85	4.6	38
49	An animal model of marginal iodine deficiency during development: the thyroid axis and neurodevelopmental outcome. <i>Toxicological Sciences</i> , 2013 , 132, 177-95	4.4	37
48	NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of amphetamine and methamphetamine. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2005 , 74, 471-584		37

47	Low-frequency hearing loss following perinatal exposure to 3,3',4,4'-pentachlorobiphenyl (PCB 126) in rats. <i>Neurotoxicology and Teratology</i> , 1999 , 21, 299-301	3.9	35
46	Limited Chemical Structural Diversity Found to Modulate Thyroid Hormone Receptor in the Tox21 Chemical Library. <i>Environmental Health Perspectives</i> , 2019 , 127, 97009	8.4	33
45	Identification and interpretation of developmental neurotoxicity effects: a report from the ILSI Research Foundation/Risk Science Institute expert working group on neurodevelopmental endpoints. <i>Neurotoxicology and Teratology</i> , 2008 , 30, 349-81	3.9	33
44	International Regulatory and Scientific Effort for Improved Developmental Neurotoxicity Testing. <i>Toxicological Sciences</i> , 2019 , 167, 45-57	4.4	31
43	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, 368-81	2.4	27
42	Behavioral test methods workshop. <i>Neurotoxicology and Teratology</i> , 2005 , 27, 417-27	3.9	27
41	Pyrethroid effects on schedule-controlled behavior: time and dosage relationships. <i>Neurotoxicology and Teratology</i> , 1987 , 9, 387-94	3.9	27
40	Cross-species analysis of thyroperoxidase inhibition by xenobiotics demonstrates conservation of response between pig and rat. <i>Toxicology</i> , 2013 , 312, 97-107	4.4	26
39	Low-dose effects of ammonium perchlorate on the hypothalamic-pituitary-thyroid axis of adult male rats pretreated with PCB126. <i>Toxicological Sciences</i> , 2007 , 97, 308-17	4.4	26
38	Pyrethroid insecticides and radioligand displacement from the GABA receptor chloride ionophore complex. <i>Toxicology Letters</i> , 1987 , 35, 183-90	4.4	26
37	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	4.4	24
36	NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of methylphenidate. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2005 , 74, 300-81		19
35	The sensitivity to 3,3'-aminodipropionitrile differs for high- and midfrequency hearing loss in the developing rat. <i>Hearing Research</i> , 1993 , 69, 221-8	3.9	19
34	Effects of an environmentally-relevant mixture of pyrethroid insecticides on spontaneous activity in primary cortical networks on microelectrode arrays. <i>NeuroToxicology</i> , 2017 , 60, 234-239	4.4	17
33	FutureTox III: Bridges for Translation. <i>Toxicological Sciences</i> , 2017 , 155, 22-31	4.4	17
32	Transcriptional response of rat frontal cortex following acute in vivo exposure to the pyrethroid insecticides permethrin and deltamethrin. <i>BMC Genomics</i> , 2008 , 9, 546	4.5	17
31	Methods to Identify and Characterize Developmental Neurotoxicity for Human Health Risk Assessment. I: Behavioral Effects. <i>Environmental Health Perspectives</i> , 2001 , 109, 79	8.4	17
30	"Flawed Experimental Design Reveals the Need for Guidelines Requiring Appropriate Positive Controls in Endocrine Disruption Research" by (Vom Saal 2010). <i>Toxicological Sciences</i> , 2010 , 115, 614-620	4.4	16

29	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	4.4	15
28	Juvenile toxicity testing protocols for chemicals. <i>Reproductive Toxicology</i> , 2012 , 34, 482-6	3.4	13
27	Inhalational exposure to carbonyl sulfide produces altered brainstem auditory and somatosensory-evoked potentials in Fischer 344N rats. <i>Toxicological Sciences</i> , 2007 , 95, 118-35	4.4	13
26	Evaluation of iodide deficiency in the lactating rat and pup using a biologically based dose-response model. <i>Toxicological Sciences</i> , 2013 , 132, 75-86	4.4	12
25	An empirical approach to sufficient similarity: combining exposure data and mixtures toxicology data. <i>Risk Analysis</i> , 2013 , 33, 1582-95	3.9	12
24	Time and concentration dependent accumulation of [3H]-deltamethrin in <i>Xenopus laevis</i> oocytes. <i>Toxicology Letters</i> , 2005 , 157, 79-88	4.4	12
23	International Stakeholder NETwork (ISTNET) for creating a developmental neurotoxicity testing (DNT) roadmap for regulatory purposes. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014 , 31, 223-4	4.3	12
22	Flash-, somatosensory-, and peripheral nerve-evoked potentials in rats perinatally exposed to Aroclor 1254. <i>Neurotoxicology and Teratology</i> , 2001 , 23, 591-601	3.9	11
21	Effects of 3,3'-iminodipropionitrile on acquisition and performance of spatial tasks in rats. <i>Neurotoxicology and Teratology</i> , 1994 , 16, 583-91	3.9	10
20	Postnatal evaluation of prenatal exposure to p-xylene in the rat. <i>Toxicology Letters</i> , 1986 , 34, 223-9	4.4	9
19	In vivo acute exposure to polychlorinated biphenyls: effects on free and total thyroxine in rats. <i>International Journal of Toxicology</i> , 2009 , 28, 382-91	2.4	8
18	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	1.9	8
17	Comment on "On the Utility of ToxCast and ToxPi as Methods for Identifying New Obesogens". <i>Environmental Health Perspectives</i> , 2017 , 125, A8-A11	8.4	6
16	Developmental Neurotoxicology: History and Outline of Developmental Neurotoxicity Study Guidelines. <i>Food Safety (Tokyo, Japan)</i> , 2015 , 3, 48-61	2.1	6
15	Development of Integrated Approaches to Testing and Assessment (IATA) case studies on developmental neurotoxicity (DNT) risk assessment. <i>EFSA Journal</i> , 2021 , 19, e06599	2.3	4
14	Concentration-dependent accumulation of [3H]-deltamethrin in sodium channel Nav1.2/beta1 expressing <i>Xenopus laevis</i> oocytes. <i>Toxicology in Vitro</i> , 2007 , 21, 1672-7	3.6	3
13	Acute effects of amitraz on the acoustic startle response and motor activity. <i>Pest Management Science</i> , 1989 , 27, 1-11		3
12	External Scientific Report on the Interpretation of Data from the Developmental Neurotoxicity In Vitro Testing Assays for Use in Integrated Approaches for Testing and Assessment. <i>EFSA Supporting Publications</i> , 2021 , 18,	1.1	3

11	Comments on: Effect of prenatal exposure of deltamethrin on the ontogeny of xenobiotic metabolizing cytochrome P450s in the brain and liver of offsprings [Johri et al. Toxicol Appl Pharmacol. 214:279-289, 2006]. <i>Toxicology and Applied Pharmacology</i> , 2007 , 218, 96-7; author reply 98	4.6	2
10	Setting Exposure Standards: A Decision Process. <i>Environmental Health Perspectives</i> , 1996 , 104, 401	8.4	2
9	The Effects of Type I and II Pyrethroids on Motor Activity and the Acoustic Startle Response in the Rat. <i>Toxicological Sciences</i> , 1988 , 10, 624-634	4.4	2
8	Optimal design for the precise estimation of an interaction threshold: the impact of exposure to a mixture of 18 polyhalogenated aromatic hydrocarbons. <i>Risk Analysis</i> , 2012 , 32, 1784-97	3.9	1
7	Splice variant specific increase in Ca ²⁺ /calmodulin-dependent protein kinase 1-gamma mRNA expression in response to acute pyrethroid exposure. <i>Journal of Biochemical and Molecular Toxicology</i> , 2010 , 24, 174-86	3.4	1
6	Use of Biological Markers in the Quantitative Assessment of Neurotoxic Risk 1995 , 789-803		1
5	Characterization of Olfactory Deficits in the Rat Following Administration of 2,6-Dichlorobenzonitrile (Dichlobenil), 3,3?-Iminodipropionitrile, or Methimazole. <i>Toxicological Sciences</i> , 1996 , 29, 71-77	4.4	1
4	Characterization of Disulfoton-Induced Behavioral and Neurochemical Effects Following Repeated Exposure. <i>Toxicological Sciences</i> , 1993 , 20, 163-169	4.4	1
3	Current status and future directions for a neurotoxicity hazard assessment framework that integrates in silico approaches. <i>Computational Toxicology</i> , 2022 , 22, 100223	3.1	1
2	Developmental Exposure to Aroclor 1254 Produces Low-Frequency Alterations in Adult Rat Brainstem Auditory Evoked Responses. <i>Toxicological Sciences</i> , 1996 , 33, 120-128	4.4	
1	Developmental Neurotoxicity: Evaluation of Testing Procedures with Methylazoxymethanol and Methylmercury. <i>Toxicological Sciences</i> , 1994 , 23, 447-464	4.4	