

# M Christopher Newland

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89 papers	1,886 citations	24 h-index	40 g-index
95 ext. papers	2,143 ext. citations	3.4 avg, IF	4.83 L-index

#	Paper	IF	Citations
89	Visualizing manganese in the primate basal ganglia with magnetic resonance imaging. <i>Experimental Neurology</i> , <b>1989</b> , 106, 251-8	5.7	178
88	The clearance of manganese chloride in the primate. <i>Fundamental and Applied Toxicology</i> , <b>1987</b> , 9, 314-28		77
87	Aging unmasks adverse effects of gestational exposure to methylmercury in rats. <i>Neurotoxicology and Teratology</i> , <b>2000</b> , 22, 819-28	3.9	74
86	Animal models of manganese neurotoxicity. <i>NeuroToxicology</i> , <b>1999</b> , 20, 415-32	4.4	69
85	Prolonged behavioral effects of in utero exposure to lead or methyl mercury: reduced sensitivity to changes in reinforcement contingencies during behavioral transitions and in steady state. <i>Toxicology and Applied Pharmacology</i> , <b>1994</b> , 126, 6-15	4.6	68
84	Human sensitivity to reinforcement in operant choice: How much do consequences matter?. <i>Psychonomic Bulletin and Review</i> , <b>1997</b> , 4, 208-20	4.1	65
83	Blood and brain mercury levels after chronic gestational exposure to methylmercury in rats. <i>Toxicological Sciences</i> , <b>1999</b> , 50, 106-16	4.4	64
82	Gestational exposure to methylmercury retards choice in transition in aging rats. <i>Neurotoxicology and Teratology</i> , <b>2004</b> , 26, 179-94	3.9	62
81	Brain and blood mercury and selenium after chronic and developmental exposure to methylmercury. <i>NeuroToxicology</i> , <b>2006</b> , 27, 710-20	4.4	59
80	Persistent effects of manganese on effortful responding and their relationship to manganese accumulation in the primate globus pallidus. <i>Toxicology and Applied Pharmacology</i> , <b>1992</b> , 113, 87-97	4.6	59
79	Gestational exposure to methylmercury and selenium: effects on a spatial discrimination reversal in adulthood. <i>NeuroToxicology</i> , <b>2006</b> , 27, 721-32	4.4	57
78	Developmental exposure to methylmercury alters behavioral sensitivity to D-amphetamine and pentobarbital in adult rats. <i>Neurotoxicology and Teratology</i> , <b>2001</b> , 23, 45-55	3.9	53
77	Operant behavior in transition reflects neonatal exposure to cadmium. <i>Teratology</i> , <b>1986</b> , 34, 231-41		52
76	Dietary selenium protects against selected signs of aging and methylmercury exposure. <i>NeuroToxicology</i> , <b>2010</b> , 31, 169-79	4.4	50
75	Neuromotor deficits and mercury concentrations in rats exposed to methyl mercury and fish oil. <i>Neurotoxicology and Teratology</i> , <b>2005</b> , 27, 629-41	3.9	48
74	Methylmercury and nutrition: adult effects of fetal exposure in experimental models. <i>NeuroToxicology</i> , <b>2008</b> , 29, 783-801	4.4	47
73	Punishment in human choice: direct or competitive suppression?. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2003</b> , 80, 1-27	2.1	45

72	Gestational exposure to methylmercury and n-3 fatty acids: effects on high- and low-rate operant behavior in adulthood. <i>Neurotoxicology and Teratology</i> , <b>2006</b> , 28, 59-73	3.9	42
71	Asymmetry of reinforcement and punishment in human choice. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2008</b> , 89, 157-67	2.1	37
70	Spatial and visual discrimination reversals in adult and geriatric rats exposed during gestation to methylmercury and n-3 polyunsaturated fatty acids. <i>NeuroToxicology</i> , <b>2007</b> , 28, 707-19	4.4	35
69	Effects of gestational exposure to methylmercury and dietary selenium on reinforcement efficacy in adulthood. <i>Neurotoxicology and Teratology</i> , <b>2008</b> , 30, 29-37	3.9	34
68	Behavioral consequences of in utero exposure to mercury vapor: alterations in lever-press durations and learning in squirrel monkeys. <i>Toxicology and Applied Pharmacology</i> , <b>1996</b> , 139, 374-86	4.6	34
67	Animal studies of methylmercury and PCBs: what do they tell us about expected effects in humans?. <i>NeuroToxicology</i> , <b>2000</b> , 21, 1003-27	4.4	32
66	Gestational methylmercury exposure selectively increases the sensitivity of operant behavior to cocaine. <i>Behavioral Neuroscience</i> , <b>2009</b> , 123, 408-17	2.1	24
65	Heavy Metal Neurotoxicants Induce ALS-Linked TDP-43 Pathology. <i>Toxicological Sciences</i> , <b>2019</b> , 167, 105-115	4.4	24
64	Dietary nimodipine delays the onset of methylmercury neurotoxicity in mice. <i>NeuroToxicology</i> , <b>2013</b> , 37, 108-17	4.4	23
63	High-rate operant behavior in two mouse strains: a response-bout analysis. <i>Behavioural Processes</i> , <b>2009</b> , 81, 309-15	1.6	22
62	Response inhibition is impaired by developmental methylmercury exposure: acquisition of low-rate lever-pressing. <i>Behavioural Brain Research</i> , <b>2013</b> , 253, 196-205	3.4	19
61	Neurobehavioral toxicity of methylmercury and PCBs Effects-profiles and sensitive populations. <i>Environmental Toxicology and Pharmacology</i> , <b>2002</b> , 12, 119-28	5.8	18
60	Quantification of motor function in toxicology. <i>Toxicology Letters</i> , <b>1988</b> , 43, 295-319	4.4	18
59	Effects of adolescent exposure to methylmercury and d-amphetamine on reversal learning and an extradimensional shift in male mice. <i>Experimental and Clinical Psychopharmacology</i> , <b>2017</b> , 25, 64-73	3.2	18
58	Performance of BALB/c and C57BL/6 mice under an incremental repeated acquisition of behavioral chains procedure. <i>Behavioural Processes</i> , <b>2010</b> , 84, 705-14	1.6	17
57	A quantitative analysis of the effects of qualitatively different reinforcers on fixed ratio responding in inbred strains of mice. <i>Neurobiology of Learning and Memory</i> , <b>2013</b> , 101, 85-93	3.1	16
56	Delay-specific stimuli and genotype interact to determine temporal discounting in a rapid-acquisition procedure. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2015</b> , 103, 450-71	2.1	15
55	A hypothesis about how early developmental methylmercury exposure disrupts behavior in adulthood. <i>Behavioural Processes</i> , <b>2015</b> , 114, 41-51	1.6	15

54	Prenatal methylmercury exposure increases responding under clocked and unclocked fixed interval schedules of reinforcement. <i>Neurotoxicology and Teratology</i> , <b>2007</b> , 29, 492-502	3.9	15
53	Adolescent methylmercury exposure affects choice and delay discounting in mice. <i>NeuroToxicology</i> , <b>2016</b> , 57, 136-144	4.4	15
52	Chronic cocaine exposure in adolescence: Effects on spatial discrimination reversal, delay discounting, and performance on fixed-ratio schedules in mice. <i>Neurobiology of Learning and Memory</i> , <b>2016</b> , 130, 93-104	3.1	13
51	The new tapestry of risk assessment. <i>NeuroToxicology</i> , <b>2008</b> , 29, 883-90	4.4	13
50	Discriminative and participant-rated effects of methylphenidate in children diagnosed with attention deficit hyperactivity disorder (ADHD). <i>Experimental and Clinical Psychopharmacology</i> , <b>1998</b> , 6, 375-389	3.2	13
49	Aging, motor function, and sensitivity to calcium channel blockers: An investigation using chronic methylmercury exposure. <i>Behavioural Brain Research</i> , <b>2016</b> , 315, 103-14	3.4	12
48	Reinforcing behavioral variability: an analysis of dopamine-receptor subtypes and intermittent reinforcement. <i>Pharmacology Biochemistry and Behavior</i> , <b>2011</b> , 97, 551-9	3.9	11
47	Behavioral and developmental effects of two 3,4-methylenedioxymethamphetamine (MDMA) derivatives. <i>Drug and Alcohol Dependence</i> , <b>1994</b> , 36, 161-6	4.9	11
46	Revealing Behavioral Learning Deficit Phenotypes Subsequent to In Utero Exposure to Benzo(a)pyrene. <i>Toxicological Sciences</i> , <b>2016</b> , 149, 42-54	4.4	11
45	Using pentobarbital to assess the sensitivity and independence of response-bout parameters in two mouse strains. <i>Pharmacology Biochemistry and Behavior</i> , <b>2011</b> , 97, 470-8	3.9	9
44	Mechanisms and performance measures in mastery-based incremental repeated acquisition: behavioral and pharmacological analyses. <i>Psychopharmacology</i> , <b>2010</b> , 209, 331-41	4.7	9
43	The effects of chlorpromazine and imipramine on rate and stimulus control of matching to sample. <i>Journal of the Experimental Analysis of Behavior</i> , <b>1985</b> , 44, 49-68	2.1	9
42	A bout analysis reveals age-related methylmercury neurotoxicity and nimodipine neuroprotection. <i>Behavioural Brain Research</i> , <b>2016</b> , 311, 147-159	3.4	9
41	The good, the bad, and the aggregate. <i>The Behavior Analyst</i> , <b>2000</b> , 23, 107-15		8
40	In utero lead exposure in squirrel monkeys: motor effects seen with schedule-controlled behavior. <i>Neurotoxicology and Teratology</i> , <b>1996</b> , 18, 33-40	3.9	8
39	A microstructural analysis distinguishes motor and motivational influences over voluntary running in animals chronically exposed to methylmercury and nimodipine. <i>NeuroToxicology</i> , <b>2016</b> , 54, 127-139	4.4	8
38	Urolithiasis in rats consuming a dl bitartrate form of choline in a purified diet. <i>Comparative Medicine</i> , <b>2005</b> , 55, 354-67	1.6	8
37	Within-session transitions in choice: a structural and quantitative analysis. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2009</b> , 91, 319-35	2.1	7

36	Oral caffeine consumption by rats: the role of flavor history, concentration, concurrent food, and an adenosine agonist. <i>Pharmacology Biochemistry and Behavior</i> , <b>1992</b> , 42, 651-9	3.9	7
35	Serial properties of behavior and their chemical modification. <i>Learning and Behavior</i> , <b>1989</b> , 17, 83-93		7
34	Drug effects on an effortful operant: pentobarbital and amphetamine. <i>Pharmacology Biochemistry and Behavior</i> , <b>1990</b> , 36, 381-7	3.9	7
33	Continuity and context. <i>The Behavior Analyst</i> , <b>1991</b> , 14, 111-6		7
32	d-Amphetamine and methylmercury exposure during adolescence alters sensitivity to monoamine uptake inhibitors in adult mice. <i>NeuroToxicology</i> , <b>2019</b> , 72, 61-73	4.4	7
31	Variable behavior and repeated learning in two mouse strains: Developmental and genetic contributions. <i>Behavioural Processes</i> , <b>2018</b> , 157, 509-518	1.6	6
30	Lactational exposure to mercury in experimental models. <i>NeuroToxicology</i> , <b>2009</b> , 30, 161-163	4.4	6
29	Are positive and negative reinforcement "different"? Insights from a free-operant differential outcomes effect. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2017</b> , 107, 39-64	2.1	5
28	An Information Theoretic Approach to Model Selection: A Tutorial with Monte Carlo Confirmation. <i>Perspectives on Behavior Science</i> , <b>2019</b> , 42, 583-616	2.4	5
27	Adolescent methylmercury exposure alters short-term remembering, but not sustained attention, in male Long-Evans rats. <i>NeuroToxicology</i> , <b>2020</b> , 78, 186-194	4.4	5
26	Behavior in Adulthood and During Aging Is Affected by Contaminant Exposure in Utero. <i>Current Directions in Psychological Science</i> , <b>2003</b> , 12, 212-217	6.5	5
25	Ethanol's effects on tremor and positioning in squirrel monkeys. <i>Journal of Studies on Alcohol and Drugs</i> , <b>1991</b> , 52, 492-9		5
24	Methylmercury, attention, and memory: baseline-dependent effects of adult d-amphetamine and marginal effects of adolescent methylmercury. <i>NeuroToxicology</i> , <b>2020</b> , 80, 130-139	4.4	5
23	Spatial discrimination reversal and incremental repeated acquisition in adolescent and adult BALB/c mice. <i>Behavioural Processes</i> , <b>2015</b> , 118, 59-70	1.6	4
22	Effect of once weekly treatment with 3,4-methylenedioxymethamphetamine on schedule-controlled behavior in rats. <i>European Journal of Pharmacology</i> , <b>1998</b> , 358, 1-8	5.3	4
21	Motor Function and the Physical Properties of the Operant <b>1995</b> , 265-299		4
20	Quantifying the molecular structure of behavior: separate effects of caffeine, cocaine, and adenosine agonists on interresponse times and lever-press durations. <i>Behavioural Pharmacology</i> , <b>1997</b> , 8, 1-16	2.4	4
19	Adolescent methylmercury exposure: Behavioral mechanisms and effects of sodium butyrate in mice. <i>NeuroToxicology</i> , <b>2019</b> , 70, 33-40	4.4	3

18	Choice in the bluegill ( <i>Lepomis macrochirus</i> ). <i>Behavioural Processes</i> , <b>2011</b> , 88, 33-43	1.6	2
17	Quantification of ethanol's antipunishment effect in humans using the generalized matching equation. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2009</b> , 92, 161-80	2.1	2
16	Interactions between ethanol and pantothenic acid on tremor and behavior in squirrel monkeys. <i>Journal of Studies on Alcohol and Drugs</i> , <b>1992</b> , 53, 80-5		2
15	Baseline-dependency: How genotype and signaled delays influence amphetamine's effects on delay discounting. <i>Pharmacology Biochemistry and Behavior</i> , <b>2020</b> , 199, 173070	3.9	1
14	Behavior Science and Environmental Health Policy: Methylmercury as an Exemplar. <i>Policy Insights From the Behavioral and Brain Sciences</i> , <b>2017</b> , 4, 96-103	2.1	1
13	Developmental Behavioral Toxicity of Methylmercury. <i>Frontiers in Neuroscience</i> , <b>2006</b> , 101-146		1
12	Examination of clozapine and haloperidol in improving ketamine-induced deficits in an incremental repeated acquisition procedure in BALB/c mice. <i>Psychopharmacology</i> , <b>2016</b> , 233, 485-98	4.7	1
11	Bernard Weiss 1925-2018. <i>Perspectives on Behavior Science</i> , <b>2018</b> , 41, 319-323	2.4	1
10	Selective dopaminergic effects on attention and memory in male mice exposed to Methylmercury during adolescence. <i>Neurotoxicology and Teratology</i> , <b>2021</b> , 87, 107016	3.9	1
9	Fish Nutrients and Methylmercury: A View from the Laboratory 279-318		1
8	Methylmercury and Fish Nutrients in Experimental Models <b>2012</b> , 55-90		1
7	Behavioral characterization of caffeine and adenosine agonists during chronic caffeine exposure. <i>Behavioural Pharmacology</i> , <b>1997</b> , 8, 17-30	2.4	1
6	Adolescence as a sensitive period for neurotoxicity: Lifespan developmental effects of methylmercury.. <i>Pharmacology Biochemistry and Behavior</i> , <b>2022</b> , 173389	3.9	1
5	Environmental health and behavior analysis: Contributions and interactions. <b>2013</b> , 225-253		0
4	Methylmercury exposure and its implications for aging <b>2021</b> , 213-224		0
3	Fin plaques and hair-like structures on wild-caught bluegill fish ( <i>Lepomis macrochirus</i> ). Anchor worms ( <i>Lernaea</i> spp.). <i>Lab Animal</i> , <b>2005</b> , 34, 14-7	0.4	
2	The Clearance of Manganese Chloride in the Primate. <i>Toxicological Sciences</i> , <b>1987</b> , 9, 314-328	4.4	
1	Opposing effects of methylmercury and n-3 long-chain polyunsaturated fatty acids on adult rat brain essential fatty acids. <i>FASEB Journal</i> , <b>2009</b> , 23, 543.13	0.9	

