M Christopher Newland

List of Publications by Year in Descending Order

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	Adolescence as a sensitive period for neurotoxicity: Lifespan developmental effects of methylmercury.. *Pharmacology Biochemistry and Behavior*, **2022**, 173389	3.9	1
88	Methylmercury exposure and its implications for aging **2021**, 213-224		0
87	Selective dopaminergic effects on attention and memory in male mice exposed to Methylmercury during adolescence. *Neurotoxicology and Teratology*, **2021**, 87, 107016	3.9	1
86	Baseline-dependency: How genotype and signaled delays influence amphetamine's effects on delay discounting. *Pharmacology Biochemistry and Behavior*, **2020**, 199, 173070	3.9	1
85	Adolescent methylmercury exposure alters short-term remembering, but not sustained attention, in male Long-Evans rats. *NeuroToxicology*, **2020**, 78, 186-194	4.4	5
84	Methylmercury, attention, and memory: baseline-dependent effects of adult d-amphetamine and marginal effects of adolescent methylmercury. *NeuroToxicology*, **2020**, 80, 130-139	4.4	5
83	An Information Theoretic Approach to Model Selection: A Tutorial with Monte Carlo Confirmation. *Perspectives on Behavior Science*, **2019**, 42, 583-616	2.4	5
82	d-Amphetamine and methylmercury exposure during adolescence alters sensitivity to monoamine uptake inhibitors in adult mice. *NeuroToxicology*, **2019**, 72, 61-73	4.4	7
81	Adolescent methylmercury exposure: Behavioral mechanisms and effects of sodium butyrate in mice. *NeuroToxicology*, **2019**, 70, 33-40	4.4	3
80	Heavy Metal Neurotoxicants Induce ALS-Linked TDP-43 Pathology. *Toxicological Sciences*, **2019**, 167, 105-115	4.4	24
79	Variable behavior and repeated learning in two mouse strains: Developmental and genetic contributions. *Behavioural Processes*, **2018**, 157, 509-518	1.6	6
78	Bernard Weiss 1925–2018. *Perspectives on Behavior Science*, **2018**, 41, 319-323	2.4	1
77	Are positive and negative reinforcement "different"? Insights from a free-operant differential outcomes effect. *Journal of the Experimental Analysis of Behavior*, **2017**, 107, 39-64	2.1	5
76	Behavior Science and Environmental Health Policy: Methylmercury as an Exemplar. *Policy Insights From the Behavioral and Brain Sciences*, **2017**, 4, 96-103	2.1	1
75	Effects of adolescent exposure to methylmercury and d-amphetamine on reversal learning and an extradimensional shift in male mice. *Experimental and Clinical Psychopharmacology*, **2017**, 25, 64-73	3.2	18
74	Chronic cocaine exposure in adolescence: Effects on spatial discrimination reversal, delay discounting, and performance on fixed-ratio schedules in mice. *Neurobiology of Learning and Memory*, **2016**, 130, 93-104	3.1	13
73	A bout analysis reveals age-related methylmercury neurotoxicity and nimodipine neuroprotection. *Behavioural Brain Research*, **2016**, 311, 147-159	3.4	9

72	Examination of clozapine and haloperidol in improving ketamine-induced deficits in an incremental repeated acquisition procedure in BALB/c mice. *Psychopharmacology*, **2016**, 233, 485-98	4.7	1
71	A microstructural analysis distinguishes motor and motivational influences over voluntary running in animals chronically exposed to methylmercury and nimodipine. *NeuroToxicology*, **2016**, 54, 127-139	4.4	8
70	Revealing Behavioral Learning Deficit Phenotypes Subsequent to In Utero Exposure to Benzo(a)pyrene. *Toxicological Sciences*, **2016**, 149, 42-54	4.4	11
69	Adolescent methylmercury exposure affects choice and delay discounting in mice. *NeuroToxicology*, **2016**, 57, 136-144	4.4	15
68	Aging, motor function, and sensitivity to calcium channel blockers: An investigation using chronic methylmercury exposure. *Behavioural Brain Research*, **2016**, 315, 103-14	3.4	12
67	Delay-specific stimuli and genotype interact to determine temporal discounting in a rapid-acquisition procedure. *Journal of the Experimental Analysis of Behavior*, **2015**, 103, 450-71	2.1	15
66	A hypothesis about how early developmental methylmercury exposure disrupts behavior in adulthood. *Behavioural Processes*, **2015**, 114, 41-51	1.6	15
65	Spatial discrimination reversal and incremental repeated acquisition in adolescent and adult BALB/c mice. *Behavioural Processes*, **2015**, 118, 59-70	1.6	4
64	A quantitative analysis of the effects of qualitatively different reinforcers on fixed ratio responding in inbred strains of mice. *Neurobiology of Learning and Memory*, **2013**, 101, 85-93	3.1	16
63	Environmental health and behavior analysis: Contributions and interactions. **2013**, 225-253		0
62	Response inhibition is impaired by developmental methylmercury exposure: acquisition of low-rate lever-pressing. *Behavioural Brain Research*, **2013**, 253, 196-205	3.4	19
61	Dietary nimodipine delays the onset of methylmercury neurotoxicity in mice. *NeuroToxicology*, **2013**, 37, 108-17	4.4	23
60	Methylmercury and Fish Nutrients in Experimental Models **2012**, 55-90		1
59	Choice in the bluegill (Lepomis macrochirus). *Behavioural Processes*, **2011**, 88, 33-43	1.6	2
58	Using pentobarbital to assess the sensitivity and independence of response-bout parameters in two mouse strains. *Pharmacology Biochemistry and Behavior*, **2011**, 97, 470-8	3.9	9
57	Reinforcing behavioral variability: an analysis of dopamine-receptor subtypes and intermittent reinforcement. *Pharmacology Biochemistry and Behavior*, **2011**, 97, 551-9	3.9	11
56	Dietary selenium protects against selected signs of aging and methylmercury exposure. *NeuroToxicology*, **2010**, 31, 169-79	4.4	50
55	Performance of BALB/c and C57BL/6 mice under an incremental repeated acquisition of behavioral chains procedure. *Behavioural Processes*, **2010**, 84, 705-14	1.6	17

54	Mechanisms and performance measures in mastery-based incremental repeated acquisition: behavioral and pharmacological analyses. *Psychopharmacology*, **2010**, 209, 331-41	4.7	9
53	High-rate operant behavior in two mouse strains: a response-bout analysis. *Behavioural Processes*, **2009**, 81, 309-15	1.6	22
52	Lactational exposure to mercury in experimental models. *NeuroToxicology*, **2009**, 30, 161-163	4.4	6
51	Quantification of ethanolÕs antipunishment effect in humans using the generalized matching equation. *Journal of the Experimental Analysis of Behavior*, **2009**, 92, 161-80	2.1	2
50	Within-session transitions in choice: a structural and quantitative analysis. *Journal of the Experimental Analysis of Behavior*, **2009**, 91, 319-35	2.1	7
49	Gestational methylmercury exposure selectively increases the sensitivity of operant behavior to cocaine. *Behavioral Neuroscience*, **2009**, 123, 408-17	2.1	24
48	Opposing effects of methylmercury and n-3 long-chain polyunsaturated fatty acids on adult rat brain essential fatty acids. *FASEB Journal*, **2009**, 23, 543.13	0.9	
47	Effects of gestational exposure to methylmercury and dietary selenium on reinforcement efficacy in adulthood. *Neurotoxicology and Teratology*, **2008**, 30, 29-37	3.9	34
46	The new tapestry of risk assessment. *NeuroToxicology*, **2008**, 29, 883-90	4.4	13
45	Methylmercury and nutrition: adult effects of fetal exposure in experimental models. *NeuroToxicology*, **2008**, 29, 783-801	4.4	47
44	Asymmetry of reinforcement and punishment in human choice. *Journal of the Experimental Analysis of Behavior*, **2008**, 89, 157-67	2.1	37
43	Prenatal methylmercury exposure increases responding under clocked and unclocked fixed interval schedules of reinforcement. *Neurotoxicology and Teratology*, **2007**, 29, 492-502	3.9	15
42	Spatial and visual discrimination reversals in adult and geriatric rats exposed during gestation to methylmercury and n-3 polyunsaturated fatty acids. *NeuroToxicology*, **2007**, 28, 707-19	4.4	35
41	Gestational exposure to methylmercury and n-3 fatty acids: effects on high- and low-rate operant behavior in adulthood. *Neurotoxicology and Teratology*, **2006**, 28, 59-73	3.9	42
40	Gestational exposure to methylmercury and selenium: effects on a spatial discrimination reversal in adulthood. *NeuroToxicology*, **2006**, 27, 721-32	4.4	57
39	Brain and blood mercury and selenium after chronic and developmental exposure to methylmercury. *NeuroToxicology*, **2006**, 27, 710-20	4.4	59
38	Developmental Behavioral Toxicity of Methylmercury. *Frontiers in Neuroscience*, **2006**, 101-146		1
37	Fin plaques and hair-like structures on wild-caught bluegill fish (Lepomis macrochirus). Anchor worms (Lernaea spp.). *Lab Animal*, **2005**, 34, 14-7	0.4	

36	Neuromotor deficits and mercury concentrations in rats exposed to methyl mercury and fish oil. *Neurotoxicology and Teratology*, **2005**, 27, 629-41	3.9	48
35	Urolithiasis in rats consuming a dl bitartrate form of choline in a purified diet. *Comparative Medicine*, **2005**, 55, 354-67	1.6	8
34	Gestational exposure to methylmercury retards choice in transition in aging rats. *Neurotoxicology and Teratology*, **2004**, 26, 179-94	3.9	62
33	Punishment in human choice: direct or competitive suppression?. *Journal of the Experimental Analysis of Behavior*, **2003**, 80, 1-27	2.1	45
32	Behavior in Adulthood and During Aging Is Affected by Contaminant Exposure in Utero. *Current Directions in Psychological Science*, **2003**, 12, 212-217	6.5	5
31	Neurobehavioral toxicity of methylmercury and PCBs Effects-profiles and sensitive populations. *Environmental Toxicology and Pharmacology*, **2002**, 12, 119-28	5.8	18
30	Developmental exposure to methylmercury alters behavioral sensitivity to D-amphetamine and pentobarbital in adult rats. *Neurotoxicology and Teratology*, **2001**, 23, 45-55	3.9	53
29	The good, the bad, and the aggregate. *The Behavior Analyst*, **2000**, 23, 107-15		8
28	Aging unmasks adverse effects of gestational exposure to methylmercury in rats. *Neurotoxicology and Teratology*, **2000**, 22, 819-28	3.9	74
27	Animal studies of methylmercury and PCBs: what do they tell us about expected effects in humans?. *NeuroToxicology*, **2000**, 21, 1003-27	4.4	32
26	Blood and brain mercury levels after chronic gestational exposure to methylmercury in rats. *Toxicological Sciences*, **1999**, 50, 106-16	4.4	64
25	Animal models of manganese's neurotoxicity. *NeuroToxicology*, **1999**, 20, 415-32	4.4	69
24	Effect of once weekly treatment with 3,4-methylenedioxymethamphetamine on schedule-controlled behavior in rats. *European Journal of Pharmacology*, **1998**, 358, 1-8	5.3	4
23	Discriminative and participant-rated effects of methylphenidate in children diagnosed with attention deficit hyperactivity disorder (ADHD). *Experimental and Clinical Psychopharmacology*, **1998**, 6, 375-389	3.2	13
22	Human sensitivity to reinforcement in operant choice: How much do consequences matter?. *Psychonomic Bulletin and Review*, **1997**, 4, 208-20	4.1	65
21	Quantifying the molecular structure of behavior: separate effects of caffeine, cocaine, and adenosine agonists on interresponse times and lever-press durations. *Behavioural Pharmacology*, **1997**, 8, 1-16	2.4	4
20	Behavioral characterization of caffeine and adenosine agonists during chronic caffeine exposure. *Behavioural Pharmacology*, **1997**, 8, 17-30	2.4	1
19	In utero lead exposure in squirrel monkeys: motor effects seen with schedule-controlled behavior. *Neurotoxicology and Teratology*, **1996**, 18, 33-40	3.9	8

18	Behavioral consequences of in utero exposure to mercury vapor: alterations in lever-press durations and learning in squirrel monkeys. *Toxicology and Applied Pharmacology*, **1996**, 139, 374-86	4.6	34
17	Motor Function and the Physical Properties of the Operant **1995**, 265-299		4
16	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. *Toxicology and Applied Pharmacology*, **1994**, 126, 6-15	4.6	68
15	Behavioral and developmental effects of two 3,4-methylenedioxymethamphetamine (MDMA) derivatives. *Drug and Alcohol Dependence*, **1994**, 36, 161-6	4.9	11
14	Interactions between ethanol and pantothenic acid on tremor and behavior in squirrel monkeys. *Journal of Studies on Alcohol and Drugs*, **1992**, 53, 80-5		2
13	Persistent effects of manganese on effortful responding and their relationship to manganese accumulation in the primate globus pallidus. *Toxicology and Applied Pharmacology*, **1992**, 113, 87-97	4.6	59
12	Oral caffeine consumption by rats: the role of flavor history, concentration, concurrent food, and an adenosine agonist. *Pharmacology Biochemistry and Behavior*, **1992**, 42, 651-9	3.9	7
11	Ethanol's effects on tremor and positioning in squirrel monkeys. *Journal of Studies on Alcohol and Drugs*, **1991**, 52, 492-9		5
10	Continuity and context. *The Behavior Analyst*, **1991**, 14, 111-6		7
9	Drug effects on an effortful operant: pentobarbital and amphetamine. *Pharmacology Biochemistry and Behavior*, **1990**, 36, 381-7	3.9	7
8	Serial properties of behavior and their chemical modification. *Learning and Behavior*, **1989**, 17, 83-93		7
7	Visualizing manganese in the primate basal ganglia with magnetic resonance imaging. *Experimental Neurology*, **1989**, 106, 251-8	5.7	178
6	Quantification of motor function in toxicology. *Toxicology Letters*, **1988**, 43, 295-319	4.4	18
5	The Clearance of Manganese Chloride in the Primate. *Toxicological Sciences*, **1987**, 9, 314-328	4.4	
4	The clearance of manganese chloride in the primate. *Fundamental and Applied Toxicology*, **1987**, 9, 314-28		77
3	Operant behavior in transition reflects neonatal exposure to cadmium. *Teratology*, **1986**, 34, 231-41		52
2	The effects of chlorpromazine and imipramine on rate and stimulus control of matching to sample. *Journal of the Experimental Analysis of Behavior*, **1985**, 44, 49-68	2.1	9
1	Fish Nutrients and Methylmercury: A View from the Laboratory279-318		1