

Neil E Rowland

List of Publications by Year in descending order

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118
papers

2,625
citations

218592

26
h-index

223716

46
g-index

121
all docs

121
docs citations

121
times ranked

1875
citing authors

#	ARTICLE	IF	CITATIONS
1	Male and female mice show equal variability in food intake across 4-day spans that encompass estrous cycles. PLoS ONE, 2019, 14, e0218935.	1.1	13
2	Protocols Using Rodents to Model Eating Disorders in Humans. Methods in Molecular Biology, 2019, 2011, 315-328.	0.4	0
3	Effect of Food Predictability on Life Span in Male Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1158-1161.	1.7	1
4	Restricted Temporal Access to Food and Anorexia: Modeling Systems. , 2019, , 551-565.		2
5	Analytic and Interpretational Pitfalls to Measuring Fecal Corticosterone Metabolites in Laboratory Rats and Mice. Comparative Medicine, 2019, 69, 337-349.	0.4	7
6	Cost-based anorexia: A novel framework to model anorexia nervosa. Appetite, 2018, 130, 50-58.	1.8	2
7	Temporal relationships between food acquisition and voluntary exercise in mice. Behavioural Processes, 2017, 145, 37-43.	0.5	1
8	Circadian and economic factors affect food acquisition in rats restricted to discrete feeding opportunities. Physiology and Behavior, 2017, 181, 10-15.	1.0	2
9	A rodent model of caloric restriction using bone mass, microarchitecture, and stable isotope ratios: implications for revealing chronic food insufficiency in archaeological populations. Science and Technology of Archaeological Research, 2017, 3, 100-111.	2.4	3
10	Restricted Temporal Access to Food and Anorexia: Modelling Systems. , 2017, , 1-15.		0
11	Effect of day-night cycle on distribution of food intake and economic choice among imposed food opportunities in mice. Physiology and Behavior, 2016, 164, 395-399.	1.0	5
12	Restricted temporal access to food and anorexia in mice: Microstructure of eating within feeding opportunities. Appetite, 2016, 96, 621-627.	1.8	8
13	Hunger and Eating, Neural Basis of. , 2015, , 420-422.		0
14	Effects of Prior Cocaine Versus Morphine or Heroin Self-Administration on Extinction Learning Driven by Overexpectation Versus Omission of Reward. Biological Psychiatry, 2015, 77, 912-920.	0.7	23
15	Role of estrogen receptors on food demand elasticity. Journal of the Experimental Analysis of Behavior, 2015, 103, 553-561.	0.8	10
16	Differences in temporal aspects of food acquisition between rats and two strains of mice in a closed operant economy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R93-R108.	0.9	9
17	Effects of caloric restriction on nitrogen and carbon stable isotope ratios in adult rat bone. Rapid Communications in Mass Spectrometry, 2014, 28, 2065-2074.	0.7	14
18	Economics of food intake in mice: Energy yield of the reinforcer. Physiology and Behavior, 2014, 136, 104-110.	1.0	5

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19	Effects of price and pellet type on food waste in mice. <i>Behavioural Processes</i> , 2014, 103, 180-183.	0.5	3
20	The effects of extended intravenous nicotine administration on body weight and meal patterns in male Spragueâ€Dawley Rats. <i>Psychopharmacology</i> , 2013, 228, 359-366.	1.5	22
21	Molecular and behavioral pharmacology of two novel orally-active 5HT2 modulators: Potential utility as antipsychotic medications. <i>Neuropharmacology</i> , 2013, 72, 274-281.	2.0	18
22	The effects of noncontingent and self-administered cytisine on body weight and meal patterns in male Spragueâ€Dawley rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 110, 192-200.	1.3	8
23	Dehydration parameters and standards for laboratory mice. <i>Journal of the American Association for Laboratory Animal Science</i> , 2013, 52, 233-9.	0.6	55
24	Action of a serotonergic anorectic in meal-fed mice working for food. <i>Behavioural Pharmacology</i> , 2012, 23, 560-566.	0.8	1
25	Effects of meal frequency and snacking on food demand in mice. <i>Appetite</i> , 2012, 58, 117-123.	1.8	12
26	Order and disorder: Temporal organization of eating. <i>Behavioural Brain Research</i> , 2012, 231, 272-278.	1.2	13
27	Introduction to <i>Quo Vadis Behavioral Neuroscience: A Festschrift for Philip Teitelbaum</i> . <i>Behavioural Brain Research</i> , 2012, 231, 231-232.	1.2	0
28	Animal Models of Overeating. <i>Methods in Molecular Biology</i> , 2012, 829, 367-375.	0.4	3
29	Comparison of voluntary and foraging running wheel activity on food demand in mice. <i>Physiology and Behavior</i> , 2011, 102, 22-29.	1.0	10
30	Structure of motivation using food demand in mice. <i>Physiology and Behavior</i> , 2011, 104, 15-19.	1.0	5
31	Effect of serotonergic anorectics on food intake and induction of Fos in brain of mice with disruption of melanocortin 3 and/or 4 receptors. <i>Pharmacology Biochemistry and Behavior</i> , 2010, 97, 107-111.	1.3	12
32	Intermittent high-dose ethanol exposures increase motivation for operant ethanol self-administration: Possible neurochemical mechanism. <i>Brain Research</i> , 2010, 1310, 142-153.	1.1	24
33	Food demand and meal size in mice with single or combined disruption of melanocortin type 3 and 4 receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1667-R1674.	0.9	41
34	Effect of MTII on food intake and brain c-Fos in melanocortin-3, melanocortin-4, and double MC3 and MC4 receptor knockout mice. <i>Peptides</i> , 2010, 31, 2314-2317.	1.2	38
35	Comparison of C57BL/6 and DBA/2 mice in food motivation and satiety. <i>Physiology and Behavior</i> , 2010, 99, 679-683.	1.0	13
36	Caloric Compensation in Response to Beer Consumption. , 2009, , 499-504.		0

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37	Selection of a palatable dietary option is not preferentially reduced by cannabinoid CB1 receptor antagonist AM251 in female C57Bl/6J mice. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 94, 119-123.	1.3	5
38	Meal patterns of mice under systematically varying approach and unit costs for food in a closed economy. <i>Physiology and Behavior</i> , 2009, 98, 85-93.	1.0	22
39	High fat diet does not affect ADMA levels or ADMA regulatory enzymes in female Borderline Hypertensive Rats (BHR). <i>FASEB Journal</i> , 2009, 23, 1014.1.	0.2	0
40	Nicotine analog inhibition of nicotine self-administration in rats. <i>Psychopharmacology</i> , 2008, 199, 605-613.	1.5	7
41	High temporal resolution of amino acid levels in rat nucleus accumbens during operant ethanol self-administration: involvement of elevated glycine in anticipation. <i>Journal of Neurochemistry</i> , 2008, 106, 170-181.	2.1	26
42	Effect of (α)-trans-PAT, a novel 5-HT _{2C} receptor agonist, on intake of palatable food in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 91, 176-180.	1.3	24
43	Food demand functions in mice. <i>Appetite</i> , 2008, 51, 669-675.	1.8	16
44	Feeding behavior, obesity, and neuroeconomics. <i>Physiology and Behavior</i> , 2008, 93, 97-109.	1.0	37
45	Cannabinoid-1 receptor antagonists reduce caloric intake by decreasing palatable diet selection in a novel dessert protocol in female rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R67-R75.	0.9	50
46	Appetitive and Consummatory Aspects of Food Intake in Rodents. , 2008, , 43-59.		1
47	Food or fluid restriction in common laboratory animals: balancing welfare considerations with scientific inquiry. <i>Comparative Medicine</i> , 2007, 57, 149-60.	0.4	94
48	Characteristics of salt appetite in chronically sodium-depleted rats using a progressive ratio schedule of procurement. <i>Physiology and Behavior</i> , 2006, 88, 433-442.	1.0	9
49	Effects of central and peripheral injections of apelin on fluid intake and cardiovascular parameters in rats. <i>Physiology and Behavior</i> , 2006, 89, 221-225.	1.0	47
50	Effect of two types of environmental enrichment for singly housed mice on food intake and weight gain. <i>Lab Animal</i> , 2005, 34, 29-32.	0.2	15
51	Accurate caloric compensation in rats for electively consumed ethanol?beer or ethanol?polycose mixtures. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 80, 109-114.	1.3	31
52	Role of angiotensin in body fluid homeostasis of mice: effect of losartan on water and NaCl intakes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R638-R644.	0.9	20
53	Sodium preference and appetite in rats in an operant protocol. <i>Physiology and Behavior</i> , 2005, 83, 715-721.	1.0	6
54	LiCl-induced flavor avoidance compared between rats and mice using a nondeprivation protocol. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R260-R268.	0.9	9

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55	ROLE OF ANGIOTENSIN II AND THE SUBFORNICAL ORGAN IN THE PHARMACOLOGICAL ACTIONS OF ETHANOL. Alcohol and Alcoholism, 2004, 39, 410-417.	0.9	6
56	Relationship between anorexia and loss of serotonin uptake sites in brain of mice and rats receiving d-norfenfluramine or d-fenfluramine. Pharmacology Biochemistry and Behavior, 2004, 77, 541-546.	1.3	7
57	Sodium deficiency and salt appetite in ICR:CD1 mice. Physiology and Behavior, 2004, 80, 629-635.	1.0	12
58	The vagus nerve and thirst. Physiology and Behavior, 2004, 82, 75-80.	1.0	2
59	Brain muscarinic receptor subtypes mediating water intake and Fos following cerebroventricular administration of bethanecol in rats. Psychopharmacology, 2003, 167, 174-179.	1.5	13
60	Effect of repeated administration of dexfenfluramine on feeding and brain Fos in mice. Physiology and Behavior, 2003, 78, 295-301.	1.0	10
61	Meal patterns of lean and leptin-deficient obese mice in a simulated foraging environment. Physiology and Behavior, 2003, 79, 275-279.	1.0	24
62	Sodium appetite induced in rats by chronic administration of a thiazide diuretic. Physiology and Behavior, 2003, 79, 613-619.	1.0	5
63	Role of angiotensin in body fluid homeostasis of mice: fluid intake, plasma hormones, and brain Fos. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R1586-R1594.	0.9	23
64	Flavor avoidance induced by LiCl and dexfenfluramine in rats and mice using nondeprivation protocols.. Behavioral Neuroscience, 2002, 116, 777-784.	0.6	5
65	Effect of opioid and cannabinoid receptor antagonism on orphanin FQ-induced hyperphagia in rats. European Journal of Pharmacology, 2002, 442, 237-239.	1.7	22
66	Flavor avoidance induced by LiCl and dexfenfluramine in rats and mice using nondeprivation protocols.. Behavioral Neuroscience, 2002, 116, 777-784.	0.6	2
67	Perinatal dietary NaCl level: effect on angiotensin-induced thermal and dipsogenic responses in adult rats. Physiology and Behavior, 2001, 72, 621-627.	1.0	4
68	Cross tolerance between anorectic action and induction of Fos-ir with dexfenfluramine and 5HT 1B/2C agonists in rats. Psychopharmacology, 2001, 156, 108-114.	1.5	14
69	Acute anorectic effect of single and combined drugs in mice using a non-deprivation protocol. Psychopharmacology, 2001, 157, 193-196.	1.5	17
70	Effects of the cannabinoid receptor antagonist SR 141716, alone and in combination with dexfenfluramine or naloxone, on food intake in rats. Psychopharmacology, 2001, 159, 111-116.	1.5	132
71	Anorectic effect of dehydroepiandrosterone combined with dexfenfluramine or thionisoxetine. European Journal of Pharmacology, 2001, 419, 61-64.	1.7	1
72	Interactive Effects of Neurochemicals on Ingestive Behavior. Nutritional Neuroscience, 2000, 3, 161-172.	1.5	1

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73	Autism and Schizophrenia: Intestinal Disorders. <i>Nutritional Neuroscience</i> , 2000, 3, 57-72.	1.5	114
74	Dexfenfluramine and norfenfluramine: comparison of mechanism of action in feeding and brain Fos-ir studies. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 278, R390-R399.	0.9	11
75	Roles of aldosterone and angiotensin in maturation of sodium appetite in furosemide-treated rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 276, R1453-R1460.	0.9	28
76	Anorectic efficacy of the fenfluramine/phentermine combination in rats: additivity or synergy?. <i>European Journal of Pharmacology</i> , 1999, 373, 127-134.	1.7	27
77	Dietary NaCl during pregnancy and lactation: Effect on brain angiotensin II receptors and behavior.. <i>Behavioral Neuroscience</i> , 1999, 113, 1090-1094.	0.6	2
78	Brain mechanisms of mammalian fluid homeostasis: Insights from use of immediate early gene mapping. <i>Neuroscience and Biobehavioral Reviews</i> , 1998, 23, 49-63.	2.9	40
79	NaCl Appetite in Two Strains of Rat Reported to Be Resistant to Mineralocorticoid- induced Hypertension. <i>Physiology and Behavior</i> , 1998, 64, 49-56.	1.0	11
80	Potential Role of Neuropeptide Ligands in the Treatment of Overeating. <i>CNS Drugs</i> , 1997, 7, 419-426.	2.7	10
81	Aging and fluid homeostasis in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1997, 273, R1441-R1450.	0.9	17
82	Centrally mediated vasodilation of the rat's tail by angiotensin II. <i>Physiology and Behavior</i> , 1996, 60, 861-865.	1.0	16
83	Dissociation of Fos-like immunoreactivity in lamina terminalis and magnocellular hypothalamic nuclei induced by hypernatremia. <i>Brain Research</i> , 1996, 708, 45-49.	1.1	24
84	Expression of Fos in rat brain in relation to sodium appetite: furosemide and cerebroventricular renin. <i>Brain Research</i> , 1996, 728, 90-96.	1.1	37
85	Effect of chronic dexfenfluramine on Fos in rat brain. <i>Brain Research</i> , 1996, 728, 188-192.	1.1	27
86	Losartan inhibition of angiotensin-related drinking and Fos immunoreactivity in hypertensive and hypotensive contexts. <i>Brain Research</i> , 1996, 742, 253-259.	1.1	19
87	Neural activity and meal-associated drinking in rats. <i>Neuroscience Letters</i> , 1995, 189, 125-127.	1.0	8
88	Long-term administration of dexfenfluramine to genetically obese (ob/ob) and lean mice: Body weight and brain serotonin changes. <i>Pharmacology Biochemistry and Behavior</i> , 1994, 49, 287-294.	1.3	16
89	Reversal of dexfenfluramine-induced anorexia and c-Fos/c-Jun expression by lesion in the lateral parabrachial nucleus. <i>Brain Research</i> , 1994, 640, 255-267.	1.1	63
90	Tolerance to the anorectic effect of dexfenfluramine in rats: Role of serotonin, cholecystokinin, and neuropeptide Y. <i>Physiology and Behavior</i> , 1994, 55, 201-207.	1.0	10

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91	Dexfenfluramine induces fos-like immunoreactivity in discrete brain regions in rats. Brain Research Bulletin, 1993, 31, 43-48.	1.4	78
92	Role of Angiotensin II Receptors in Tail Skin Temperature Response to Isoproterenol. Experimental Biology and Medicine, 1993, 203, 157-162.	1.1	4
93	The behavioral pharmacology of ingestive behavior. Handbook of Behavioral Neuroscience, 1993, 10, 561-574.	0.0	1
94	Effect of DuP 753, a Nonpeptide Angiotensin II Receptor Antagonist, on the Drinking Responses to Acutely Administered Dipsogenic Agents in Rats. Experimental Biology and Medicine, 1992, 199, 158-164.	1.1	16
95	Effect of losartan potassium and deoxycorticosterone acetate on tail skin temperature response to acute administration of angiotensin II. Pharmacology Biochemistry and Behavior, 1992, 43, 229-233.	1.3	12
96	Ontogeny of preference and aversion to salt in Fischer 344 rats and syrian hamsters. Developmental Psychobiology, 1991, 24, 211-218.	0.9	5
97	Sham drinking in rats: Osmotic and volumetric manipulations. Physiology and Behavior, 1990, 47, 625-630.	1.0	10
98	Thirst and sodium appetite in Dahl rats. Physiology and Behavior, 1990, 47, 331-335.	1.0	19
99	Comparison of the dipsogenic responsiveness of Long-Evans and Sprague-Dawley rats. Physiology and Behavior, 1990, 47, 1187-1192.	1.0	18
100	Effect of chronic administration of dexfenfluramine on stress- and palatability-induced food intake in rats. Physiology and Behavior, 1989, 46, 145-149.	1.0	13
101	Behavioral and physiological aspects of body fluid homeostasis in Fischer 344 rats. Physiology and Behavior, 1988, 42, 499-505.	1.0	17
102	Sodium appetite: Species and strain differences and role of renin-angiotensin-aldosterone system. Appetite, 1988, 11, 143-178.	1.8	93
103	Characteristics of thirst and sodium appetite in mice (Mus musculus).. Behavioral Neuroscience, 1988, 102, 969-974.	0.6	37
104	Comparison of the effects of the dipeptidyl peptidase inhibitors captopril, ramipril, and enalapril on water intake and sodium appetite of Sprague-Dawley rats.. Behavioral Neuroscience, 1988, 102, 953-960.	0.6	21
105	Effect of continuous infusions of dexfenfluramine on food intake, body weight and brain amines in rats. Life Sciences, 1986, 39, 2581-2586.	2.0	42
106	Neurobiology of an anorectic drug: Fenfluramine. Progress in Neurobiology, 1986, 27, 13-62.	2.8	312
107	Of rats and men. Behavioral and Brain Sciences, 1985, 8, 346-346.	0.4	0
108	Inhibition of gastric emptying by peripheral and central fenfluramine in rats: Correlation with anorexia. Life Sciences, 1984, 34, 2495-2499.	2.0	37

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109	Different behavioral mechanisms underlie tolerance to the anorectic effects of fenfluramine and quipazine. <i>Psychopharmacology</i> , 1983, 81, 155-157.	1.5	25
110	Differences among 5-HT _{2C} anorectics in a cross-tolerance paradigm: Do they all act on serotonin systems?. <i>European Journal of Pharmacology</i> , 1982, 81, 57-66.	1.7	59
111	Feeding behaviour: Caused by, or just correlated with, physiology?. <i>Behavioral and Brain Sciences</i> , 1981, 4, 589-590.	0.4	2
112	Impaired drinking responses of rats with lesions of the subfornical organ.. <i>Journal of Comparative and Physiological Psychology</i> , 1981, 95, 104-113.	1.8	69
113	Impaired drinking to angiotensin II after subdiaphragmatic vagotomy in rats. <i>Physiology and Behavior</i> , 1980, 24, 1177-1180.	1.0	24
114	Zona incerta lesions: Regulatory drinking deficits to intravenous NaCl, angiotensin, but not to salt in the food. <i>Physiology and Behavior</i> , 1979, 23, 745-750.	1.0	27
115	Quinine drinking: More regulatory puzzles. <i>Physiology and Behavior</i> , 1977, 18, 1165-1170.	1.0	29
116	Recovery of regulatory drinking following lateral hypothalamic lesions: Nature of residual deficits analyzed by NaCl and water infusions. <i>Experimental Neurology</i> , 1976, 53, 488-507.	2.0	24
117	Circadian rhythms and partial recovery of regulatory drinking in rats after lateral hypothalamic lesions.. <i>Journal of Comparative and Physiological Psychology</i> , 1976, 90, 382-393.	1.8	42
118	Feeding patterns in rats on restricted access schedules: Palatability, bulk, and other determinants of intake. <i>Bulletin of the Psychonomic Society</i> , 1975, 5, 306-308.	0.2	6