

Terry L Davidson

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

5,902
citations

76326

40
h-index

74163

75
g-index

127
all docs

127
docs citations

127
times ranked

5891
citing authors

#	ARTICLE	IF	CITATIONS
1	Western diet consumption and cognitive impairment: Links to hippocampal dysfunction and obesity. <i>Physiology and Behavior</i> , 2011, 103, 59-68.	2.1	536
2	NIH working group report: Innovative research to improve maintenance of weight loss. <i>Obesity</i> , 2015, 23, 7-15.	3.0	405
3	The Effects of a High-Energy Diet on Hippocampal Function and Blood-Brain Barrier Integrity in the Rat. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 207-219.	2.6	257
4	A role for sweet taste: Calorie predictive relations in energy regulation by rats.. <i>Behavioral Neuroscience</i> , 2008, 122, 161-173.	1.2	247
5	The effects of energy-rich diets on discrimination reversal learning and on BDNF in the hippocampus and prefrontal cortex of the rat. <i>Behavioural Brain Research</i> , 2007, 182, 57-66.	2.2	218
6	Contributions of the hippocampus and medial prefrontal cortex to energy and body weight regulation. <i>Hippocampus</i> , 2009, 19, 235-252.	1.9	190
7	A role for hippocampus in the utilization of hunger signals. <i>Behavioral and Neural Biology</i> , 1993, 59, 167-171.	2.2	179
8	High-intensity sweeteners and energy balance. <i>Physiology and Behavior</i> , 2010, 100, 55-62.	2.1	178
9	The effects of a high-energy diet on hippocampal-dependent discrimination performance and blood-brain barrier integrity differ for diet-induced obese and diet-resistant rats. <i>Physiology and Behavior</i> , 2012, 107, 26-33.	2.1	175
10	Memory inhibition and energy regulation. <i>Physiology and Behavior</i> , 2005, 86, 731-746.	2.1	159
11	Different patterns of memory impairments accompany short- and longer-term maintenance on a high-energy diet.. <i>Journal of Experimental Psychology</i> , 2010, 36, 313-319.	1.7	155
12	A potential role for the hippocampus in energy intake and body weight regulation. <i>Current Opinion in Pharmacology</i> , 2007, 7, 613-616.	3.5	143
13	Inter-relationships among diet, obesity and hippocampal-dependent cognitive function. <i>Neuroscience</i> , 2013, 253, 110-122.	2.3	143
14	Evaluation of the Association between Maternal Smoking, Childhood Obesity, and Metabolic Disorders: A National Toxicology Program Workshop Review. <i>Environmental Health Perspectives</i> , 2013, 121, 170-180.	6.0	139
15	The hippocampus and motivation revisited: appetite and activity. <i>Behavioural Brain Research</i> , 2001, 127, 13-23.	2.2	130
16	A Pavlovian approach to the problem of obesity. <i>International Journal of Obesity</i> , 2004, 28, 933-935.	3.4	126
17	On the hippocampus and learned conditional responding: Effects of aspiration versus ibotenate lesions. <i>Hippocampus</i> , 1991, 1, 107-117.	1.9	108
18	The nature and function of interoceptive signals to feed: Toward integration of physiological and learning perspectives.. <i>Psychological Review</i> , 1993, 100, 640-657.	3.8	95

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19	Experience with the high-intensity sweetener saccharin impairs glucose homeostasis and GLP-1 release in rats. <i>Behavioural Brain Research</i> , 2012, 233, 1-14.	2.2	95
20	The hippocampus and inhibitory learning: a "Gray" area?. <i>Neuroscience and Biobehavioral Reviews</i> , 2004, 28, 261-271.	6.1	91
21	Human cognitive function and the obesogenic environment. <i>Physiology and Behavior</i> , 2014, 136, 185-193.	2.1	91
22	Memory, serial anticipation pattern learning, and transfer in rats. <i>Learning and Behavior</i> , 1980, 8, 575-585.	3.4	88
23	Reconsideration of the role of the hippocampus in learned inhibition. <i>Behavioural Brain Research</i> , 2001, 119, 111-130.	2.2	88
24	Intake of High-Intensity Sweeteners Alters the Ability of Sweet Taste to Signal Caloric Consequences: Implications for the Learned Control of Energy and Body Weight Regulation. <i>Quarterly Journal of Experimental Psychology</i> , 2011, 64, 1430-1441.	1.1	87
25	Western diets induce blood-brain barrier leakage and alter spatial strategies in rats.. <i>Behavioral Neuroscience</i> , 2016, 130, 123-135.	1.2	86
26	General and persistent effects of high-intensity sweeteners on body weight gain and caloric compensation in rats.. <i>Behavioral Neuroscience</i> , 2009, 123, 772-780.	1.2	85
27	Hippocampal lesions impair retention of discriminative responding based on energy state cues.. <i>Behavioral Neuroscience</i> , 2010, 124, 97-105.	1.2	85
28	An application of Pavlovian principles to the problems of obesity and cognitive decline. <i>Neurobiology of Learning and Memory</i> , 2014, 108, 172-184.	1.9	76
29	Deficits in episodic memory are related to uncontrolled eating in a sample of healthy adults.. <i>Appetite</i> , 2018, 124, 33-42.	3.7	75
30	The Cognitive Control of Eating and Body Weight: It's More Than What You "Think". <i>Frontiers in Psychology</i> , 2019, 10, 62.	2.1	73
31	Learning about deprivation intensity stimuli.. <i>Behavioral Neuroscience</i> , 1987, 101, 198-208.	1.2	71
32	The outward spiral: a vicious cycle model of obesity and cognitive dysfunction. <i>Current Opinion in Behavioral Sciences</i> , 2016, 9, 40-46.	3.9	65
33	Learned and cognitive controls of food intake. <i>Brain Research</i> , 2010, 1350, 71-76.	2.2	63
34	Adverse effects of high-intensity sweeteners on energy intake and weight control in male and obesity-prone female rats.. <i>Behavioral Neuroscience</i> , 2013, 127, 262-274.	1.2	62
35	Functional differentiation within the medial temporal lobe in the rat. <i>Hippocampus</i> , 2004, 14, 434-449.	1.9	52
36	The interoceptive cue properties of ghrelin generalize to cues produced by food deprivation. <i>Peptides</i> , 2005, 26, 1602-1610.	2.4	51

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37	Conditioned reversal of reactions to normally avoided tastes. <i>Physiology and Behavior</i> , 1990, 47, 535-538.	2.1	49
38	Hippocampal-dependent appetitive control is impaired by experimental exposure to a Western-style diet. <i>Royal Society Open Science</i> , 2020, 7, 191338.	2.4	48
39	Transfer of facilitation in the rat. <i>Learning and Behavior</i> , 1986, 14, 380-386.	3.4	47
40	The melanocortin antagonist AgRP (83â€“132) increases appetitive responding for a fat, but not a carbohydrate, reinforcer. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 89, 263-271.	2.9	44
41	Improvements in hippocampal-dependent memory and microglial infiltration with calorie restriction and gastric bypass surgery, but not with vertical sleeve gastrectomy. <i>International Journal of Obesity</i> , 2014, 38, 349-356.	3.4	41
42	Food Viscosity Influences Caloric Intake Compensation and Body Weight in Rats. <i>Obesity</i> , 2005, 13, 537-544.	4.0	39
43	A view of obesity as a learning and memory disorder.. <i>Journal of Experimental Psychology Animal Learning and Cognition</i> , 2014, 40, 261-279.	0.5	36
44	Brain and behavioral perturbations in rats following Western diet access. <i>Appetite</i> , 2015, 93, 35-43.	3.7	36
45	Body weight gain in rats consuming sweetened liquids. Effects of caffeine and diet composition. <i>Appetite</i> , 2010, 55, 528-533.	3.7	35
46	Transfer between Pavlovian facilitators and instrumental discriminative stimuli. <i>Learning and Behavior</i> , 1988, 16, 285-291.	3.4	34
47	Western-style diet impairs stimulus control by food deprivation state cues: Implications for obesogenic environments. <i>Appetite</i> , 2015, 93, 13-23.	3.7	34
48	A study of hippocampal structureâ€“function relations along the septoâ€“temporal axis. <i>Hippocampus</i> , 2012, 22, 680-692.	1.9	28
49	An animal model to detect the neuropsychological toxicity of anticancer agents. <i>Medical and Pediatric Oncology</i> , 1989, 17, 216-221.	1.0	26
50	Interoceptive â€œsatietyâ€“signals produced by leptin and CCK. <i>Peptides</i> , 2007, 28, 988-1002.	2.4	23
51	Fat substitutes promote weight gain in rats consuming high-fat diets.. <i>Behavioral Neuroscience</i> , 2011, 125, 512-518.	1.2	23
52	Western diet and the weakening of the interoceptive stimulus control of appetitive behavior. <i>Behavioural Brain Research</i> , 2016, 312, 219-230.	2.2	23
53	Support for configural association theory: Now you see it, now you don't. <i>Hippocampus</i> , 1992, 2, 90-91.	1.9	21
54	Development of tolerance to endogenous opiates activated by 24-h food deprivation. <i>Appetite</i> , 1992, 19, 1-13.	3.7	19

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55	Consistent relationships between sensory properties of savory snack foods and calories influence food intake in rats. <i>International Journal of Obesity</i> , 2006, 30, 1685-1692.	3.4	19
56	Discriminative cues produced by NPY do not generalize to the interoceptive cues produced by food deprivation. <i>Physiology and Behavior</i> , 1995, 58, 1237-1241.	2.1	17
57	Considering sex differences in the cognitive controls of feeding. <i>Physiology and Behavior</i> , 2018, 187, 97-107.	2.1	17
58	Ongoing ingestive behavior is rapidly suppressed by a preabsorptive, intestinal "bitter taste" cue. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1557-R1568.	1.8	16
59	Hippocampal-Dependent Inhibitory Learning and Memory Processes in the Control of Eating and Drug Taking. <i>Current Pharmaceutical Design</i> , 2020, 26, 2334-2352.	1.9	15
60	Long-term effects of yohimbine on behavioral sensitivity to a stressor. <i>Psychopharmacology</i> , 1987, 92, 35-41.	3.1	14
61	Obesity: Outwitting the wisdom of the body?. <i>Current Neurology and Neuroscience Reports</i> , 2005, 5, 159-162.	4.2	14
62	Cholecystokinin, but not bombesin, has interoceptive sensory consequences like 1-h food deprivation. <i>Physiology and Behavior</i> , 1993, 53, 737-745.	2.1	13
63	The role of the hypothalamic melanocortin system in behavioral appetitive processes. <i>Pharmacology Biochemistry and Behavior</i> , 2001, 69, 603-609.	2.9	13
64	Obesity: Cognitive Impairment and the Failure to "Eat Right"™. <i>Current Biology</i> , 2014, 24, R685-R687.	3.9	13
65	Resistance to satiation: Reinforcing effects of food and eating under satiation. <i>Learning and Motivation</i> , 1981, 12, 171-195.	1.2	12
66	The learned function of food-deprivation cues: A role for conditioned modulation. <i>Learning and Behavior</i> , 1996, 24, 46-56.	3.4	11
67	Cocaine impairs serial-feature negative learning and blood-brain barrier integrity. <i>Pharmacology Biochemistry and Behavior</i> , 2018, 170, 56-63.	2.9	11
68	Deprivation stimulus intensity and incentive factors in the control of instrumental responding. <i>Journal of Experimental Psychology</i> , 1981, 7, 140-149.	1.7	11
69	Influence of early dietary experience on energy regulation in rats. <i>Physiology and Behavior</i> , 2005, 86, 669-680.	2.1	10
70	Saccharin pre-exposure enhances appetitive flavor learning in pre-weanling rats. <i>Developmental Psychobiology</i> , 2012, 54, 818-824.	1.6	10
71	Appetitive interoception, the hippocampus and western-style diet. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 845-859.	5.7	10
72	Differential Effects of Dietary MSG on Hippocampal Dependent Memory Are Mediated by Diet. <i>Frontiers in Neuroscience</i> , 2019, 13, 968.	2.8	9

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73	The effects of a GLP-1 analog liraglutide on reward value and the learned inhibition of appetitive behavior in male and female rats. <i>International Journal of Obesity</i> , 2019, 43, 1875-1879.	3.4	9
74	Comparison of nutritive and nonnutritive stimuli in intestinal and oral conditioned taste aversion paradigms.. <i>Behavioral Neuroscience</i> , 2006, 120, 1268-1278.	1.2	8
75	Ad-libitum high fat diet consumption during adolescence and adulthood impacts the intravenous self-administration of cocaine in male Sprague-Dawley rats.. <i>Experimental and Clinical Psychopharmacology</i> , 2020, 28, 32-43.	1.8	8
76	Associative mechanisms underlying the function of satiety cues in the control of energy intake and appetitive behavior. <i>Physiology and Behavior</i> , 2018, 192, 37-49.	2.1	7
77	Reframing appetitive reinforcement learning and reward valuation as effects mediated by hippocampal-dependent behavioral inhibition. <i>Nutrition Research</i> , 2020, 79, 1-12.	2.9	7
78	Taste, Sickness, and Learning. <i>American Scientist</i> , 2015, 103, 204.	0.1	6
79	Rapid stimulus-bound suppression of intake in response to an intraduodenal nonnutritive sweetener after training with nutritive sugars predicting malaise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R1351-R1363.	1.8	5
80	Ad libitum high fat diet consumption during adolescence and adulthood fails to impact the affective properties of cocaine in male Sprague-Dawley rats.. <i>Experimental and Clinical Psychopharmacology</i> , 2020, 28, 438-448.	1.8	5
81	The long-term effects of diazepam and pentylenetetrazol on behavioral sensitivity to a stressor. <i>Pharmacology Biochemistry and Behavior</i> , 1987, 27, 99-103.	2.9	4
82	Western Diet and Cognitive Impairment. , 2015, , 295-305.		4
83	Discriminative control by deprivation states and external cues in male and female rats. <i>Physiology and Behavior</i> , 2018, 184, 91-99.	2.1	4
84	Retrieval-induced forgetting in children and adolescents with and without obesity. <i>International Journal of Obesity</i> , 2022, 46, 851-858.	3.4	4
85	Learning about water by hungry rats. <i>Learning and Motivation</i> , 1979, 10, 58-72.	1.2	3
86	Shock preexposure and the reduced effectiveness of shock. <i>Learning and Motivation</i> , 1985, 16, 357-380.	1.2	3
87	The long-term effects of diazepam, lorazepam, and buspirone on behavioral suppression by a shock signal. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1990, 14, 223-236.	4.8	3
88	The Three-Chamber Choice Behavioral Task using Zebrafish as a Model System. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3
89	Effects of reward magnitude on running speed following a deprivation upshift. <i>Bulletin of the Psychonomic Society</i> , 1980, 15, 150-152.	0.2	2
90	A comparison of resistance to satiation and resistance to extinction. <i>Learning and Behavior</i> , 1981, 9, 108-114.	3.4	2

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91	A comparison of the effects of reward magnitude and deprivation level on resistance to extinction. Bulletin of the Psychonomic Society, 1982, 19, 119-122.	0.2	2
92	Discontinuation of diazepam and sensitivity to a shock signal: Fear conditioning prior to drug treatment. Pharmacology Biochemistry and Behavior, 1990, 36, 691-694.	2.9	1
93	Do impaired memory and body weight regulation originate in childhood with diet-induced hippocampal dysfunction?. American Journal of Clinical Nutrition, 2014, 99, 971-972.	4.7	1
94	Special Issue of Physiology & Behavior: Sex Differences. Physiology and Behavior, 2018, 187, 1.	2.1	1
95	Irrelevant incentive learning revisited: Associating flavors and exteroceptive cues with positive incentives. Learning and Motivation, 1985, 16, 288-300.	1.2	0