Ralph J Dileone

List of Publications by Year
in descending order

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103 papers	15,350 citations	25034 57 h-index	37204 96 g-index
107 all docs	107 docs citations	107 times ranked	17067 citing authors

#	Article	IF	Citations
1	Neurobiology of Depression. Neuron, 2002, 34, 13-25.	8.1	2,688
2	Essential Role of BDNF in the Mesolimbic Dopamine Pathway in Social Defeat Stress. Science, 2006, 311, 864-868.	12.6	1,869
3	Leptin Receptor Signaling in Midbrain Dopamine Neurons Regulates Feeding. Neuron, 2006, 51, 801-810.	8.1	1,051
4	CREB activity in the nucleus accumbens shell controls gating of behavioral responses to emotional stimuli. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11435-11440.	7.1	447
5	Dynamic Contribution of Nestin-Expressing Stem Cells to Adult Neurogenesis. Journal of Neuroscience, 2007, 27, 12623-12629.	3.6	443
6	Dynamic BDNF activity in nucleus accumbens with cocaine use increases self-administration and relapse. Nature Neuroscience, 2007, 10, 1029-1037.	14.8	368
7	Nicotine Decreases Food Intake Through Activation of POMC Neurons. Science, 2011, 332, 1330-1332.	12.6	337
8	Involvement of the Lateral Hypothalamic Peptide Orexin in Morphine Dependence and Withdrawal. Journal of Neuroscience, 2003, 23, 3106-3111.	3.6	335
9	Local gene knockdown in the brain using viral-mediated RNA interference. Nature Medicine, 2003, 9, 1539-1544.	30.7	327
10	The Hypothalamic Neuropeptide Melanin-Concentrating Hormone Acts in the Nucleus Accumbens to Modulate Feeding Behavior and Forced-Swim Performance. Journal of Neuroscience, 2005, 25, 2933-2940.	3.6	323
11	Can food be addictive? Public health and policy implications. Addiction, 2011, 106, 1208-1212.	3.3	304
12	Leptin Mediates the Increase in Blood Pressure Associated with Obesity. Cell, 2014, 159, 1404-1416.	28.9	288
13	RGS9 Modulates Dopamine Signaling in the Basal Ganglia. Neuron, 2003, 38, 941-952.	8.1	245
14	An essential role for Î”FosB in the nucleus accumbens in morphine action. Nature Neuroscience, 2006, 9, 205-211.	14.8	237
15	Essential role for RGS9 in opiate action. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13656-13661.	7.1	229
16	REDD1 is essential for stress-induced synaptic loss and depressive behavior. Nature Medicine, 2014, 20, 531-535.	30.7	226
17	Optogenetic stimulation of infralimbic PFC reproduces ketamineâ€™s rapid and sustained antidepressant actions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8106-8111.	7.1	221
18	Knockdown of Clock in the Ventral Tegmental Area Through RNA Interference Results in a Mixed State of Mania and Depression-Like Behavior. Biological Psychiatry, 2010, 68, 503-511.	1.3	206

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19	Endogenous Leptin Signaling in the Caudal Nucleus Tractus Solitarius and Area Postrema Is Required for Energy Balance Regulation. Cell Metabolism, 2010, 11, 77-83.	16.2	202
20	Lateral hypothalamic neuropeptides in reward and drug addiction. Life Sciences, 2003, 73, 759-768.	4.3	193
21	The drive to eat: comparisons and distinctions between mechanisms of food reward and drug addiction. Nature Neuroscience, 2012, 15, 1330-1335.	14.8	193
22	MicroRNAs: A new class of gene regulators. Annals of Medicine, 2008, 40, 197-208.	3.8	187
23	GABAergic and glutamatergic efferents of the mouse ventral tegmental area. Journal of Comparative Neurology, 2014, 522, 3308-3334.	1.6	178
24	Medial prefrontal D1 dopamine neurons control food intake. Nature Neuroscience, 2014, 17, 248-253.	14.8	152
25	Optogenetic stimulation of medial prefrontal cortex Drd1 neurons produces rapid and long-lasting antidepressant effects. Nature Communications, 2019, 10, 223.	12.8	145
26	The Influence of Î”FosB in the Nucleus Accumbens on Natural Reward-Related Behavior. Journal of Neuroscience, 2008, 28, 10272-10277.	3.6	141
27	Metabolic hormones, dopamine circuits, and feeding. Frontiers in Neuroendocrinology, 2010, 31, 104-112.	5.2	140
28	Targeted ablation of cholinergic interneurons in the dorsolateral striatum produces behavioral manifestations of Tourette syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 893-898.	7.1	137
29	Orexin Mediates the Expression of Precipitated Morphine Withdrawal and Concurrent Activation of the Nucleus Accumbens Shell. Biological Psychiatry, 2008, 64, 175-183.	1.3	129
30	Î”FosB Induction in Orbitofrontal Cortex Mediates Tolerance to Cocaine-Induced Cognitive Dysfunction. Journal of Neuroscience, 2007, 27, 10497-10507.	3.6	123
31	Appetite controlled by a cholecystokinin nucleus of the solitary tract to hypothalamus neurocircuit. ELife, 2016, 5, .	6.0	120
32	Prefrontal D1 dopamine signaling is required for temporal control. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20726-20731.	7.1	112
33	Tropomyosin-Related Kinase B in the Mesolimbic Dopamine System: Region-Specific Effects on Cocaine Reward. Biological Psychiatry, 2009, 65, 696-701.	1.3	107
34	Orbitofrontal Circuits Control Multiple Reinforcement-Learning Processes. Neuron, 2019, 103, 734-746.e3.	8.1	106
35	Action control is mediated by prefrontal BDNF and glucocorticoid receptor binding. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20714-20719.	7.1	105
36	Wnt2 Expression and Signaling Is Increased by Different Classes of Antidepressant Treatments. Biological Psychiatry, 2010, 68, 521-527.	1.3	103

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37	Orexin Signaling Via the Orexin 1 Receptor Mediates Operant Responding for Food Reinforcement. Biological Psychiatry, 2010, 67, 753-760.	1.3	98
38	Orexin signaling in GABAergic lateral habenula neurons modulates aggressive behavior in male mice. Nature Neuroscience, 2020, 23, 638-650.	14.8	98
39	Regulation of Nucleus Accumbens Activity by the Hypothalamic Neuropeptide Melanin-Concentrating Hormone. Journal of Neuroscience, 2010, 30, 8263-8273.	3.6	96
40	Role of orexin/hypocretin in dependence and addiction. Brain Research, 2010, 1314, 130-138.	2.2	95
41	Cdk5 Modulates Cocaine Reward, Motivation, and Striatal Neuron Excitability. Journal of Neuroscience, 2007, 27, 12967-12976.	3.6	89
42	Striatal Overexpression of Î”JunD Resets L-DOPA-Induced Dyskinesia in a Primate Model of Parkinson Disease. Biological Psychiatry, 2009, 66, 554-561.	1.3	89
43	Orexin mediates morphine place preference, but not morphine-induced hyperactivity or sensitization. Brain Research, 2010, 1317, 24-32.	2.2	87
44	Addiction and Arousal: Alternative Roles of Hypothalamic Peptides. Journal of Neuroscience, 2006, 26, 10372-10375.	3.6	86
45	Sim1 gene dosage modulates the homeostatic feeding response to increased dietary fat in mice. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E105-E113.	3.5	85
46	The orbitofrontal cortex regulates outcomeâ€based decisionâ€making via the lateral striatum. European Journal of Neuroscience, 2013, 38, 2382-2388.	2.6	85
47	Characterization of GABAergic Marker Expression in the Chronic Unpredictable Stress Model of Depression. Chronic Stress, 2017, 1, 247054701772045.	3.4	81
48	An Extensive 3â€² Regulatory Region Controls Expression of Bmp5 in Specific Anatomical Structures of the Mouse Embryo. Genetics, 1998, 148, 401-408.	2.9	80
49	Striatal dopamine regulates systemic glucose metabolism in humans and mice. Science Translational Medicine, 2018, 10, .	12.4	79
50	The Neuronal PAS Domain Protein 4 (Npas4) Is Required for New and Reactivated Fear Memories. PLoS ONE, 2011, 6, e23760.	2.5	79
51	Serotonin (5-HT) 5-HT_{2A} Receptor (5-HT_{2A}R):5-HT_{2C}R Imbalance in Medial Prefrontal Cortex Associates with Motor Impulsivity. ACS Chemical Neuroscience, 2015, 6, 1248-1258.	3.5	73
52	Functional Status of the Serotonin 5-HT2C Receptor (5-HT2CR) Drives Interlocked Phenotypes that Precipitate Relapse-Like Behaviors in Cocaine Dependence. Neuropsychopharmacology, 2014, 39, 360-372.	5.4	67
53	Neural mechanisms underlying obesity and drug addiction. Physiology and Behavior, 2007, 91, 499-505.	2.1	64
54	Ribosomal protein S6 kinase 1 signaling in prefrontal cortex controls depressive behavior. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6188-6193.	7.1	64

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55	Efficient studies of long-distance Bmp5 gene regulation using bacterial artificial chromosomes. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1612-1617.	7.1	61
56	Induction of Inducible cAMP Early Repressor Expression in Nucleus Accumbens by Stress or Amphetamine Increases Behavioral Responses to Emotional Stimuli. Journal of Neuroscience, 2006, 26, 8235-8242.	3.6	61
57	Increased Serum Brain-Derived Neurotrophic Factor Is Predictive of Cocaine Relapse Outcomes: A Prospective Study. Biological Psychiatry, 2011, 70, 706-711.	1.3	61
58	Anxiolytic function of the orexin 2/hypocretin A receptor in the basolateral amygdala. Psychoneuroendocrinology, 2014, 40, 17-26.	2.7	59
59	Regulation of Alcohol Extinction and Cue-Induced Reinstatement by Specific Projections among Medial Prefrontal Cortex, Nucleus Accumbens, and Basolateral Amygdala. Journal of Neuroscience, 2017, 37, 4462-4471.	3.6	57
60	Activity of D1/2 Receptor Expressing Neurons in the Nucleus Accumbens Regulates Running, Locomotion, and Food Intake. Frontiers in Behavioral Neuroscience, 2016, 10, 66.	2.0	56
61	Dietary triglycerides act on mesolimbic structures to regulate the rewarding and motivational aspects of feeding. Molecular Psychiatry, 2014, 19, 1095-1105.	7.9	54
62	Neuropeptide Y Activity in the Nucleus Accumbens Modulates Feeding Behavior and Neuronal Activity. Biological Psychiatry, 2015, 77, 633-641.	1.3	51
63	Gene Profiling Reveals a Role for Stress Hormones in the Molecular and Behavioral Response to Food Restriction. Biological Psychiatry, 2012, 71, 358-365.	1.3	47
64	Endogenous leptin receptor signaling in the medial nucleus tractus solitarius affects meal size and potentiates intestinal satiation signals. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E496-E503.	3.5	43
65	Chronic Loss of Melanin-Concentrating Hormone Affects Motivational Aspects of Feeding in the Rat. PLoS ONE, 2011, 6, e19600.	2.5	43
66	Characterization of the mouse adenylyl cyclase type VIII gene promoter: regulation by cAMP and CREB. European Journal of Neuroscience, 2002, 16, 1284-1294.	2.6	39
67	The Role of BMPs and GDFs in Development of Regionâ€Specific Skeletal Structuresa. Annals of the New York Academy of Sciences, 1996, 785, 70-79.	3.8	36
68	Serum and plasma brain-derived neurotrophic factor (BDNF) in abstinent alcoholics and social drinkers. Alcohol, 2012, 46, 253-259.	1.7	36
69	Î”FosB induction in orbitofrontal cortex potentiates locomotor sensitization despite attenuating the cognitive dysfunction caused by cocaine. Pharmacology Biochemistry and Behavior, 2009, 93, 278-284.	2.9	35
70	Vitamin D3: A Role in Dopamine Circuit Regulation, Diet-Induced Obesity, and Drug Consumption. ENeuro, 2016, 3, ENEURO.0122-15.2016.	1.9	35
71	Erk1/2 Mediates Leptin Receptor Signaling in the Ventral Tegmental Area. PLoS ONE, 2011, 6, e27180.	2.5	30
72	Flavor-Independent Maintenance, Extinction, and Reinstatement of Fat Self-Administration in Mice. Biological Psychiatry, 2013, 73, 851-859.	1.3	28

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73	Medial Nucleus Accumbens Projections to the Ventral Tegmental Area Control Food Consumption. Journal of Neuroscience, 2020, 40, 4727-4738.	3.6	27
74	Hypothalamic prolyl endopeptidase (PREP) regulates pancreatic insulin and glucagon secretion in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11876-11881.	7.1	26
75	Optogenetic inhibition of neurons by internal light production. Frontiers in Behavioral Neuroscience, 2014, 8, 108.	2.0	25
76	TheBmp8Gene Is Expressed in Developing Skeletal Tissue and Maps near theAchondroplasiaLocus on Mouse Chromosome 4. Genomics, 1997, 40, 196-198.	2.9	24
77	Prelimbic cortex bdnf knock-down reduces instrumental responding in extinction. Learning and Memory, 2009, 16, 756-760.	1.3	23
78	BDNF parabrachio-amygdaloid pathway in morphine-induced analgesia. International Journal of Neuropsychopharmacology, 2013, 16, 1649-1660.	2.1	20
79	Ketamine increases vmPFC activity: Effects of (R)- and (S)-stereoisomers and (2R,6R)-hydroxynorketamine metabolite. Neuropharmacology, 2020, 166, 107947.	4.1	19
80	Modeling the effects of positive and negative mood on the ability to resist eating in obese and non-obese individuals. Eating Behaviors, 2013, 14, 40-46.	2.0	17
81	Heightened vagal activity during high-calorie food presentation in obese compared with non-obese individualsâ€"Results of a pilot study. Obesity Research and Clinical Practice, 2014, 8, e258-e265.	1.8	16
82	Innate Fear-Induced Weight Regulation in the C57BL/6J Mouse. Frontiers in Behavioral Neuroscience, 2016, 10, 132.	2.0	15
83	Orexin 1 Receptor Antagonism in the Basolateral Amygdala Shifts the Balance From Pro- to Antistress Signaling and Behavior. Biological Psychiatry, 2022, 91, 841-852.	1.3	15
84	Primate models of schizophrenia: future possibilities. Progress in Brain Research, 2009, 179, 117-125.	1.4	11
85	Downâ€regulation of miRNAs in the brain and development of dietâ€induced obesity. International Journal of Developmental Neuroscience, 2018, 64, 2-7.	1.6	9
86	The response to prolonged fasting in hypothalamic serotonin transporter availability is blunted in obesity. Metabolism: Clinical and Experimental, 2021, 123, 154839.	3.4	8
87	Positive modulation of N-methyl-D-aspartate receptors in the mPFC reduces the spontaneous recovery of fear. Molecular Psychiatry, 2022, 27, 2580-2589.	7.9	8
88	The vitamin D metabolites 25(OH)D and 1,25(OH)2D are not related to either glucose metabolism or insulin action in obese women. Diabetes and Metabolism, 2016, 42, 416-423.	2.9	7
89	Neuroscience gets nutrition. Nature Neuroscience, 2011, 14, 271-272.	14.8	5
90	Lip Sync: Gamma Rhythms Orchestrate Top-Down Control of Feeding Circuits. Cell Metabolism, 2017, 25, 497-498.	16.2	4

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91	An Introduction to the Special Issue. Biological Psychiatry, 2013, 73, 799-801.	1.3	3
92	Leptin: Taking the Path Less Traveled. Cell Metabolism, 2009, 10, 77-78.	16.2	2
93	IMPORTANT NEXT STEPS IN EVALUATING FOOD'S ADDICTIVE POTENTIAL. Addiction, 2011, 106, 1219-1220.	3.3	2
94	Losing the Lust for Life: A New Role for an Old Feeding Peptide?. Neuron, 2012, 75, 360-362.	8.1	2
95	Constance E. Lieber, Theodore R. Stanley, and the Enduring Impact of Philanthropy on Psychiatry Research. Biological Psychiatry, 2016, 80, 84-86.	1.3	2
96	Feeding as a Reward Mechanism. , 2012, , 47-60.		0
97	Transcriptional Plasticity in the Brain following Metabolic Challenge. Neuropsychopharmacology, 2013, 38, 237-238.	5.4	0
98	Inhaling: endocannabinoids and food intake. Nature Neuroscience, 2014, 17, 336-337.	14.8	0
99	F98. Stimulation of Drd1 Expressing Principle Neurons in the Prefrontal Cortex Produces Rapid and Long-Lasting Antidepressant Effects and is Necessary for the Response to Ketamine. Biological Psychiatry, 2018, 83, S275-S276.	1.3	0
100	Bringing in the ACE(i): Angiotensin-Converting Enzyme Inhibitors as Antidepressants. Biological Psychiatry, 2020, 88, 365-366.	1.3	0
101	Orexin/Hypocretin and Opioid Dependence. , 2005, , 327-337.		0
102	Orexin/Hypocretin, Drug Addiction, and Narcolepsy. , 2011, , 253-260.		0
103	Optogenetic Stimulation of Drd1 Expressing Neurons Produces Rapid and Long-Lasting Antidepressant Effects. SSRN Electronic Journal, 0, , .	0.4	0