

Barry Setlow

List of Publications by Year in descending order

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113
papers

8,204
citations

44069

48
h-index

51608

86
g-index

133
all docs

133
docs citations

133
times ranked

6570
citing authors

#	ARTICLE	IF	CITATIONS
1	Experience-Dependent Gene Expression in the Rat Hippocampus after Spatial Learning: A Comparison of the Immediate-Early Genes <i>Arc</i> , <i>c-fos</i> , and <i>zif268</i> . <i>Journal of Neuroscience</i> , 2001, 21, 5089-5098.	3.6	668
2	Encoding Predicted Outcome and Acquired Value in Orbitofrontal Cortex during Cue Sampling Depends upon Input from Basolateral Amygdala. <i>Neuron</i> , 2003, 39, 855-867.	8.1	425
3	Different Roles for Orbitofrontal Cortex and Basolateral Amygdala in a Reinforcer Devaluation Task. <i>Journal of Neuroscience</i> , 2003, 23, 11078-11084.	3.6	417
4	Orbitofrontal lesions in rats impair reversal but not acquisition of go, no-go odor discriminations. <i>NeuroReport</i> , 2002, 13, 885-890.	1.2	298
5	Lesions of Orbitofrontal Cortex and Basolateral Amygdala Complex Disrupt Acquisition of Odor-Guided Discriminations and Reversals. <i>Learning and Memory</i> , 2003, 10, 129-140.	1.3	270
6	Memory-influencing intra-basolateral amygdala drug infusions modulate expression of Arc protein in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10718-10723.	7.1	222
7	Choice impulsivity: Definitions, measurement issues, and clinical implications.. <i>Personality Disorders: Theory, Research, and Treatment</i> , 2015, 6, 182-198.	1.3	202
8	Neural Encoding in Ventral Striatum during Olfactory Discrimination Learning. <i>Neuron</i> , 2003, 38, 625-636.	8.1	196
9	Cocaine-experienced rats exhibit learning deficits in a task sensitive to orbitofrontal cortex lesions. <i>European Journal of Neuroscience</i> , 2004, 19, 1997-2002.	2.6	179
10	Amygdalo-Hypothalamic Circuit Allows Learned Cues to Override Satiety and Promote Eating. <i>Journal of Neuroscience</i> , 2002, 22, 8748-8753.	3.6	176
11	Basolateral Amygdala-Nucleus Accumbens Interactions in Mediating Glucocorticoid Enhancement of Memory Consolidation. <i>Journal of Neuroscience</i> , 2001, 21, 2518-2525.	3.6	169
12	Cocaine Makes Actions Insensitive to Outcomes but not Extinction: Implications for Altered Orbitofrontal Amygdalar Function. <i>Cerebral Cortex</i> , 2005, 15, 1162-1169.	2.9	166
13	Cocaine exposure causes long-term increases in impulsive choice.. <i>Behavioral Neuroscience</i> , 2007, 121, 543-549.	1.2	144
14	Balancing Risk and Reward: A Rat Model of Risky Decision Making. <i>Neuropsychopharmacology</i> , 2009, 34, 2208-2217.	5.4	143
15	Disconnection of the basolateral amygdala complex and nucleus accumbens impairs appetitive Pavlovian second-order conditioned responses.. <i>Behavioral Neuroscience</i> , 2002, 116, 267-275.	1.2	135
16	Dopaminergic Modulation of Risky Decision-Making. <i>Journal of Neuroscience</i> , 2011, 31, 17460-17470.	3.6	135
17	Spatial reference and working memory across the lifespan of male Fischer 344 rats. <i>Neurobiology of Aging</i> , 2009, 30, 646-655.	3.1	130
18	Lesions of Nucleus Accumbens Disrupt Learning about Aversive Outcomes. <i>Journal of Neuroscience</i> , 2003, 23, 9833-9841.	3.6	128

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19	Neural mechanisms regulating different forms of risk-related decision-making: Insights from animal models. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 58, 147-167.	6.1	125
20	Sex differences in a rat model of risky decision making.. <i>Behavioral Neuroscience</i> , 2016, 130, 50-61.	1.2	122
21	Prefrontal Cortical GABAergic Dysfunction Contributes to Age-Related Working Memory Impairment. <i>Journal of Neuroscience</i> , 2014, 34, 3457-3466.	3.6	120
22	Impaired Memory Consolidation in Rats Produced with β -Adrenergic Blockade. <i>Neurobiology of Learning and Memory</i> , 2000, 74, 259-266.	1.9	116
23	Self-administered cocaine causes long-lasting increases in impulsive choice in a delay discounting task.. <i>Behavioral Neuroscience</i> , 2010, 124, 470-477.	1.2	115
24	A systems approach to orbitofrontal cortex function: recordings in rat orbitofrontal cortex reveal interactions with different learning systems. <i>Behavioural Brain Research</i> , 2003, 146, 19-29.	2.2	110
25	The nucleus accumbens and learning and memory. <i>Journal of Neuroscience Research</i> , 1997, 49, 515-521.	2.9	106
26	The basolateral complex of the amygdala is necessary for acquisition but not expression of CS motivational value in appetitive Pavlovian second-order conditioning. <i>European Journal of Neuroscience</i> , 2002, 15, 1841-1853.	2.6	106
27	Integrating Orbitofrontal Cortex into Prefrontal Theory: Common Processing Themes across Species and Subdivisions. <i>Learning and Memory</i> , 2001, 8, 134-147.	1.3	105
28	The importance of considering polysubstance use: lessons from cocaine research. <i>Drug and Alcohol Dependence</i> , 2018, 192, 16-28.	3.2	100
29	Dissociable Roles for the Basolateral Amygdala and Orbitofrontal Cortex in Decision-Making under Risk of Punishment. <i>Journal of Neuroscience</i> , 2015, 35, 1368-1379.	3.6	99
30	Encoding Changes in Orbitofrontal Cortex in Reversal-Impaired Aged Rats. <i>Journal of Neurophysiology</i> , 2006, 95, 1509-1517.	1.8	98
31	Adolescent Risk Taking, Cocaine Self-Administration, and Striatal Dopamine Signaling. <i>Neuropsychopharmacology</i> , 2014, 39, 955-962.	5.4	96
32	Disconnection of the basolateral amygdala complex and nucleus accumbens impairs appetitive Pavlovian second-order conditioned responses.. <i>Behavioral Neuroscience</i> , 2002, 116, 267-275.	1.2	96
33	Sulpiride infused into the nucleus accumbens posttraining impairs memory of spatial water maze training.. <i>Behavioral Neuroscience</i> , 1998, 112, 603-610.	1.2	92
34	Good things come to those who wait: Attenuated discounting of delayed rewards in aged Fischer 344 rats. <i>Neurobiology of Aging</i> , 2010, 31, 853-862.	3.1	83
35	Prefrontal cortical α -striatal dopamine receptor mRNA expression predicts distinct forms of impulsivity. <i>European Journal of Neuroscience</i> , 2013, 37, 1779-1788.	2.6	81
36	Initial characterization of mice null for Lphn3, a gene implicated in ADHD and addiction. <i>Brain Research</i> , 2012, 1463, 85-92.	2.2	74

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37	Effects of chronic administration of drugs of abuse on impulsive choice (delay discounting) in animal models. <i>Behavioural Pharmacology</i> , 2009, 20, 380-389.	1.7	72
38	Sex differences in animal models of decision making. <i>Journal of Neuroscience Research</i> , 2017, 95, 260-269.	2.9	72
39	Behavioral Characterization of the Effects of Cannabis Smoke and Anandamide in Rats. <i>PLoS ONE</i> , 2016, 11, e0153327.	2.5	71
40	Involvement of a basolateral amygdala complex-nucleus accumbens pathway in glucocorticoid-induced modulation of memory consolidation. <i>European Journal of Neuroscience</i> , 2000, 12, 367-375.	2.6	70
41	The Psychoactive Designer Drug and Bath Salt Constituent MDPV Causes Widespread Disruption of Brain Functional Connectivity. <i>Neuropsychopharmacology</i> , 2016, 41, 2352-2365.	5.4	66
42	Deficits across multiple cognitive domains in a subset of aged Fischer 344 rats. <i>Neurobiology of Aging</i> , 2007, 28, 928-936.	3.1	64
43	Effects of acute administration of nicotine, amphetamine, diazepam, morphine, and ethanol on risky decision-making in rats. <i>Psychopharmacology</i> , 2011, 218, 703-712.	3.1	62
44	NR2A-Containing NMDARs in the Prefrontal Cortex Are Required for Working Memory and Associated with Age-Related Cognitive Decline. <i>Journal of Neuroscience</i> , 2016, 36, 12537-12548.	3.6	62
45	Distinct manifestations of executive dysfunction in aged rats. <i>Neurobiology of Aging</i> , 2013, 34, 2164-2174.	3.1	59
46	The basolateral amygdala complex is involved with, but is not necessary for, rapid acquisition of Pavlovian "fear conditioning". <i>European Journal of Neuroscience</i> , 2000, 12, 3044-3050.	2.6	58
47	Effects in rats of adolescent exposure to cannabis smoke or THC on emotional behavior and cognitive function in adulthood. <i>Psychopharmacology</i> , 2019, 236, 2773-2784.	3.1	58
48	Long-term effects of prior cocaine exposure on Morris water maze performance. <i>Neurobiology of Learning and Memory</i> , 2008, 89, 185-191.	1.9	55
49	Affective and cognitive mechanisms of risky decision making. <i>Neurobiology of Learning and Memory</i> , 2015, 117, 60-70.	1.9	52
50	Contributions of medial prefrontal cortex to decision making involving risk of punishment. <i>Neuropharmacology</i> , 2018, 139, 205-216.	4.1	52
51	Prefrontal cortical GABAergic signaling and impaired behavioral flexibility in aged F344 rats. <i>Neuroscience</i> , 2017, 345, 274-286.	2.3	51
52	Optogenetic Inhibition Reveals Distinct Roles for Basolateral Amygdala Activity at Discrete Time Points during Risky Decision Making. <i>Journal of Neuroscience</i> , 2017, 37, 11537-11548.	3.6	51
53	D2 Dopamine Receptor Blockade Immediately Post-training Enhances Retention in Hidden and Visible Platform Versions of the Water Maze. <i>Learning and Memory</i> , 2000, 7, 187-191.	1.3	46
54	Effects of acute administration of nicotinic and muscarinic cholinergic agonists and antagonists on performance in different cost-benefit decision making tasks in rats. <i>Psychopharmacology</i> , 2012, 224, 489-499.	3.1	46

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55	Intake-dependent effects of cocaine self-administration on impulsive choice in a delay discounting task.. Behavioral Neuroscience, 2014, 128, 419-429.	1.2	43
56	Age-Related Declines in Prefrontal Cortical Expression of Metabotropic Glutamate Receptors that Support Working Memory. ENeuro, 2018, 5, ENEURO.0164-18.2018.	1.9	43
57	Behavioral and transcriptomic profiling of mice null for <i>Lphn3</i> , a gene implicated in ADHD and addiction. Molecular Genetics & Genomic Medicine, 2016, 4, 322-343.	1.2	40
58	Involvement of the Posteroventral Caudate-Putamen in Memory Consolidation in the Morris Water Maze. Neurobiology of Learning and Memory, 1999, 71, 240-247.	1.9	38
59	Timing in the absence of supraspinal input I: Variable, but not fixed, spaced stimulation of the sciatic nerve undermines spinally-mediated instrumental learning. Neuroscience, 2008, 155, 1030-1047.	2.3	37
60	Long-lasting sensitization of reward-directed behavior by amphetamine. Behavioural Brain Research, 2009, 201, 74-79.	2.2	36
61	Functional Connectivity of Chronic Cocaine Use Reveals Progressive Neuroadaptations in Neocortical, Striatal, and Limbic Networks. ENeuro, 2018, 5, ENEURO.0081-18.2018.	1.9	36
62	Post-training amphetamine administration enhances memory consolidation in appetitive Pavlovian conditioning: Implications for drug addiction. Neurobiology of Learning and Memory, 2006, 86, 305-310.	1.9	35
63	Effects of prior amphetamine exposure on approach strategy in appetitive Pavlovian conditioning in rats. Psychopharmacology, 2009, 202, 699-709.	3.1	29
64	Effects of developmental nicotine exposure in rats on decision-making in adulthood. Behavioural Pharmacology, 2012, 23, 34-42.	1.7	29
65	Decline of prefrontal cortical-mediated executive functions but attenuated delay discounting in aged Fischer 344— brown Norway hybrid rats. Neurobiology of Aging, 2017, 60, 141-152.	3.1	29
66	Intergenerational Effects of Sevoflurane in Young Adult Rats. Anesthesiology, 2019, 131, 1092-1109.	2.5	28
67	Food consumption and weight gain after cessation of chronic amphetamine administration. Appetite, 2014, 78, 76-80.	3.7	27
68	Functional connectivity, behavioral and dopaminergic alterations 24 hours following acute exposure to synthetic bath salt drug methylenedioxypyrovalerone. Neuropharmacology, 2018, 137, 178-193.	4.1	27
69	Effects of nucleus accumbens amphetamine administration on performance in a delay discounting task. Behavioural Brain Research, 2017, 321, 130-136.	2.2	26
70	Risky decision-making is associated with impulsive action and sensitivity to first-time nicotine exposure. Behavioural Brain Research, 2019, 359, 579-588.	2.2	26
71	Regulation of risky decision making by gonadal hormones in males and females. Neuropsychopharmacology, 2021, 46, 603-613.	5.4	26
72	Modeling Risky Decision Making in Rodents. Methods in Molecular Biology, 2012, 829, 165-175.	0.9	26

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73	Simultaneous quantification of cannabinoids tetrahydrocannabinol, cannabidiol and CB1 receptor antagonist in rat plasma: An application to characterize pharmacokinetics after passive cannabis smoke inhalation and co-administration of rimonabant. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 119-125.	2.8	23
74	Testicular hormones mediate robust sex differences in impulsive choice in rats. <i>ELife</i> , 2020, 9, .	6.0	22
75	$\alpha 4\beta 2$ and $\alpha 7$ nicotinic acetylcholine receptor binding predicts choice preference in two cost benefit decision-making tasks. <i>Neuroscience</i> , 2013, 230, 121-131.	2.3	21
76	Impulsivity, risk-taking, and distractibility in rats exhibiting robust conditioned orienting behaviors. <i>Journal of the Experimental Analysis of Behavior</i> , 2014, 102, 162-178.	1.1	21
77	Enhancing effects of acute exposure to cannabis smoke on working memory performance. <i>Neurobiology of Learning and Memory</i> , 2019, 157, 151-162.	1.9	21
78	Differential effects of immediate posttraining sulphide microinfusions into the nucleus accumbens shell and core on Morris water maze retention. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1999, 27, 248-255.	1.3	21
79	Risk, Reward, and Decision-Making in a Rodent Model of Cognitive Aging. <i>Frontiers in Neuroscience</i> , 2011, 5, 144.	2.8	20
80	Interaction between age and perceptual similarity in olfactory discrimination learning in F344 rats: relationships with spatial learning. <i>Neurobiology of Aging</i> , 2017, 53, 122-137.	3.1	20
81	Deconstructing value-based decision making via temporally selective manipulation of neural activity: Insights from rodent models. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 459-476.	2.0	19
82	Distinct relationships between risky decision making and cocaine self-administration under short- and long-access conditions. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 98, 109791.	4.8	19
83	Effects of ventral striatal lesions on first- and second-order appetitive conditioning. <i>European Journal of Neuroscience</i> , 2013, 38, 2589-2599.	2.6	18
84	Monoaminergic modulation of decision-making under risk of punishment in a rat model. <i>Behavioural Pharmacology</i> , 2018, 29, 745-761.	1.7	18
85	Effects of repeated adolescent exposure to cannabis smoke on cognitive outcomes in adulthood. <i>Journal of Psychopharmacology</i> , 2021, 35, 848-863.	4.0	18
86	Optogenetic dissection of basolateral amygdala contributions to intertemporal choice in young and aged rats. <i>ELife</i> , 2019, 8, .	6.0	18
87	Georges ungar and memory transfer*. <i>Journal of the History of the Neurosciences</i> , 1997, 6, 181-192.	0.9	17
88	Effects of acute administration of the GABA(B) receptor agonist baclofen on behavioral flexibility in rats. <i>Psychopharmacology</i> , 2016, 233, 2787-2797.	3.1	17
89	Altered spatial learning and delay discounting in a rat model of human third trimester binge ethanol exposure. <i>Behavioural Pharmacology</i> , 2012, 23, 54-65.	1.7	16
90	Characterizing Olfactory Perceptual Similarity Using Carbon Chain Discrimination in Fischer 344 Rats. <i>Chemical Senses</i> , 2014, 39, 323-331.	2.0	16

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91	Cocaine self-administration alters the relative effectiveness of multiple memory systems during extinction. <i>Learning and Memory</i> , 2009, 16, 296-299.	1.3	15
92	Recent Updates in Modeling Risky Decision Making in Rodents. <i>Methods in Molecular Biology</i> , 2019, 2011, 79-92.	0.9	15
93	MeCP2 Expression in a Rat Model of Risky Decision Making. <i>Neuroscience</i> , 2018, 369, 212-221.	2.3	13
94	Pharmacokinetic and Pharmacodynamic Characterization of Tetrahydrocannabinol-Induced Cannabinoid Dependence After Chronic Passive Cannabis Smoke Exposure in Rats. <i>Cannabis and Cannabinoid Research</i> , 2019, 4, 240-254.	2.9	13
95	Effects of a high-fat diet on impulsive choice in rats. <i>Physiology and Behavior</i> , 2021, 229, 113260.	2.1	12
96	Effects of combined brief etomidate anesthesia and postnatal stress on amygdala expression of Cl ⁻ cotransporters and corticotropin-releasing hormone and alcohol intake in adult rats. <i>Neuroscience Letters</i> , 2018, 685, 83-89.	2.1	11
97	Neuron-specific cilia loss differentially alters locomotor responses to amphetamine in mice. <i>Journal of Neuroscience Research</i> , 2021, 99, 827-842.	2.9	11
98	Acute vagus nerve stimulation enhances reversal learning in rats. <i>Neurobiology of Learning and Memory</i> , 2021, 184, 107498.	1.9	11
99	A novel method for detecting licking behavior during recording of electrophysiological signals from the brain. <i>Journal of Neuroscience Methods</i> , 2001, 106, 139-146.	2.5	10
100	Chronic cocaine causes age-dependent increases in risky choice in both males and females. <i>Behavioral Neuroscience</i> , 2022, 136, 243-263.	1.2	10
101	Deficits in hippocampal-dependent transfer generalization learning accompany synaptic dysfunction in a mouse model of amyloidosis. <i>Hippocampus</i> , 2016, 26, 455-471.	1.9	8
102	Cocaine and Marijuana Polysubstance Use and Cocaine Use Disorder: Investigating Mediated Effects through Patterns of Cocaine Use. <i>Journal of Dual Diagnosis</i> , 2021, 17, 23-33.	1.2	6
103	An animal model of hypnotic pain attenuation. <i>Behavioural Brain Research</i> , 2009, 197, 198-204.	2.2	5
104	Test-retest reliability of a new assessment to detect detailed temporal patterns of polysubstance use. <i>International Journal of Methods in Psychiatric Research</i> , 2022, 31, .	2.1	5
105	Characterizing Olfactory Binary Mixture Interactions in Fischer 344 Rats Using Behavioral Reaction Times. <i>Chemical Senses</i> , 2015, 40, 325-334.	2.0	4
106	Stress-induced corticosterone secretion covaries with working memory in aging. <i>Neurobiology of Aging</i> , 2018, 71, 156-160.	3.1	4
107	The role of sensory pathways in Pavlovian conditioning in rabbit. <i>Experimental Brain Research</i> , 2008, 185, 199-213.	1.5	3
108	Undoing cocaine's consequences on behavior and brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16829-16830.	7.1	3

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109	Treatment initiation and utilization patterns of pharmacotherapies for early-onset idiopathic restless legs syndrome. <i>Sleep Medicine</i> , 2022, 96, 70-78.	1.6	2
110	Modeling Cost-Benefit Decision Making in Aged Rodents. , 2015, , 17-40.		1
111	Using rodent models to understand interactions between gambling and substance use. <i>Current Opinion in Behavioral Sciences</i> , 2020, 31, 37-41.	3.9	1
112	GABAB receptors in prelimbic cortex and basolateral amygdala differentially influence intertemporal decision making and decline with age. <i>Neuropharmacology</i> , 2022, 209, 109001.	4.1	1
113	Adolescent Cannabinoid Use and Cognition; Unexpected Results from a Rat Model of Cannabinoid Self-Administration. <i>Neuropsychopharmacology</i> , 2017, 42, 983-984.	5.4	0