Peter D Balsam

List of Publications by Year
in descending order

91 papers	4,562 citations	126907 33 h-index	114465 63 g-index
94 all docs	94 docs citations	94 times ranked	4408 citing authors

#	Article	IF	Citations
1	The learning curve: Implications of a quantitative analysis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13124-13131.	7.1	492
2	Inhibition of Mediodorsal Thalamus Disrupts Thalamofrontal Connectivity and Cognition. Neuron, 2013, 77, 1151-1162.	8.1	318
3	Mice with Chronically Elevated Dopamine Exhibit Enhanced Motivation, but not Learning, for a Food Reward. Neuropsychopharmacology, 2006, 31, 1362-1370.	5.4	221
4	Temporal maps and informativeness in associative learning. Trends in Neurosciences, 2009, 32, 73-78.	8.6	216
5	Transient Overexpression of Striatal D₂Receptors Impairs Operant Motivation and Interval Timing. Journal of Neuroscience, 2007, 27, 7731-7739.	3.6	199
6	Time and Associative Learning.. Comparative Cognition and Behavior Reviews, 2010, 5, 1-22.	2.0	127
7	Dissociation of Hedonic Reaction to Reward and Incentive Motivation in an Animal Model of the Negative Symptoms of Schizophrenia. Neuropsychopharmacology, 2012, 37, 1699-1707.	5.4	124
8	Mediodorsal Thalamus Hypofunction Impairs Flexible Goal-Directed Behavior. Biological Psychiatry, 2015, 77, 445-453.	1.3	124
9	A Perceptual Inference Mechanism for Hallucinations Linked to Striatal Dopamine. Current Biology, 2018, 28, 503-514.e4.	3.9	120
10	Effects of dopamine antagonists on the timing of two intervals. Pharmacology Biochemistry and Behavior, 2003, 75, 9-15.	2.9	109
11	Temporal Control of Conditioned Responding in Goldfish.. Journal of Experimental Psychology, 2005, 31, 31-39.	1.7	104
12	Decreasing Striatopallidal Pathway Function Enhances Motivation by Energizing the Initiation of Goal-Directed Action. Journal of Neuroscience, 2016, 36, 5988-6001.	3.6	98
13	Newborn infants learn during sleep. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10320-10323.	7.1	95
14	Neural substrates underlying effort, time, and risk-based decision making in motivated behavior. Neurobiology of Learning and Memory, 2016, 133, 233-256.	1.9	95
15	Time to rethink the neural mechanisms of learning and memory. Neurobiology of Learning and Memory, 2014, 108, 136-144.	1.9	91
16	Extended Habit Training Reduces Dopamine Mediation of Appetitive Response Expression. Journal of Neuroscience, 2005, 25, 6729-6733.	3.6	90
17	Measuring reinforcement learning and motivation constructs in experimental animals: Relevance to the negative symptoms of schizophrenia. Neuroscience and Biobehavioral Reviews, 2013, 37, 2149-2165.	6.1	82
18	The negative side effects of reward.. Journal of Applied Behavior Analysis, 1983, 16, 283-296.	2.7	80

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19	Pharmacologic Rescue of Motivational Deficit in an Animal Model of the Negative Symptoms of Schizophrenia. Biological Psychiatry, 2011, 69, 928-935.	1.3	80
20	Timing at the Start of Associative Learning. Learning and Motivation, 2002, 33, 141-155.	1.2	77
21	Glutaminase-Deficient Mice Display Hippocampal Hypoactivity, Insensitivity to Pro-Psychotic Drugs and Potentiated Latent Inhibition: Relevance to Schizophrenia. Neuropsychopharmacology, 2009, 34, 2305-2322.	5.4	76
22	Timing as a window on cognition in schizophrenia. Neuropharmacology, 2012, 62, 1175-1181.	4.1	73
23	Impaired timing precision produced by striatal D2 receptor overexpression is mediated by cognitive and motivational deficits.. Behavioral Neuroscience, 2009, 123, 720-730.	1.2	71
24	Schizophrenia in Translation: Dissecting Motivation in Schizophrenia and Rodents. Schizophrenia Bulletin, 2012, 38, 1111-1117.	4.3	57
25	EFFECTS OF REINFORCING PRESELECTED APPROXIMATIONS ON THE TOPOGRAPHY OF THE RAT'S BAR PRESS. Journal of the Experimental Analysis of Behavior, 1991, 55, 213-231.	1.1	56
26	Amphetamine affects the start of responding in the peak interval timing task. Behavioural Processes, 2007, 74, 168-175.	1.1	56
27	Timing and anticipation: conceptual and methodological approaches. European Journal of Neuroscience, 2009, 30, 1749-1755.	2.6	49
28	The Behavioral Neuroscience of Motivation: An Overview of Concepts, Measures, and Translational Applications. Current Topics in Behavioral Neurosciences, 2015, 27, 1-12.	1.7	48
29	Temporal Specificity of Extinction in Autoshaping.. Journal of Experimental Psychology, 2004, 30, 163-176.	1.7	43
30	Conditioned stimulus informativeness governs conditioned stimulusâ^'unconditioned stimulus associability.. Journal of Experimental Psychology, 2012, 38, 217-232.	1.7	40
31	A novel strategy for dissecting goal-directed action and arousal components of motivated behavior with a progressive hold-down task.. Behavioral Neuroscience, 2015, 129, 269-280.	1.2	40
32	Relative Time in Trace Conditioning. Annals of the New York Academy of Sciences, 1984, 423, 211-227.	3.8	38
33	It's the information!. Behavioural Processes, 2013, 95, 3-7.	1.1	38
34	Food anticipation depends on oscillators and memories in both body and brain. Physiology and Behavior, 2011, 104, 562-571.	2.1	37
35	Dopamine D2 Receptors in the Paraventricular Thalamus Attenuate Cocaine Locomotor Sensitization. ENeuro, 2017, 4, ENEURO.0227-17.2017.	1.9	37
36	Pavlovian contingencies and temporal information.. Journal of Experimental Psychology, 2006, 32, 284-294.	1.7	36

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37	Modeling motivational deficits in mouse models of schizophrenia: Behavior analysis as a guide for neuroscience. Behavioural Processes, 2011, 87, 149-156.	1.1	35
38	Medial prefrontal lesions in mice impair sustained attention but spare maintenance of information in working memory. Learning and Memory, 2012, 19, 513-517.	1.3	35
39	The effects of pharmacological modulation of the serotonin 2C receptor on goal-directed behavior in mice. Psychopharmacology, 2016, 233, 615-624.	3.1	33
40	An Interaction between Serotonin Receptor Signaling and Dopamine Enhances Goal-Directed Vigor and Persistence in Mice. Journal of Neuroscience, 2018, 38, 2149-2162.	3.6	32
41	5-HT2C receptor blockade reverses SSRI-associated basal ganglia dysfunction and potentiates therapeutic efficacy. Molecular Psychiatry, 2020, 25, 3304-3321.	7.9	31
42	Striatal dopamine D2 receptors regulate effort but not value-based decision making and alter the dopaminergic encoding of cost. Neuropsychopharmacology, 2018, 43, 2180-2189.	5.4	30
43	Genetic and Modeling Approaches Reveal Distinct Components of Impulsive Behavior. Neuropsychopharmacology, 2017, 42, 1182-1191.	5.4	29
44	Intertrial interval and unconditioned stimulus durations in autoshaping. Learning and Behavior, 1979, 7, 477-482.	3.4	26
45	Associative learning and timing. Current Opinion in Behavioral Sciences, 2016, 8, 181-185.	3.9	26
46	Effects of Emotional Valence and Arousal on Time Perception. Timing and Time Perception, 2014, 2, 360-378.	0.6	25
47	The effects of varying the interreinforcement interval on appetitive contextual conditioning. Learning and Behavior, 1991, 19, 125-138.	3.4	24
48	A "Good Parent" Function of Dopamine: Transient Modulation of Learning and Performance during Early Stages of Training. Annals of the New York Academy of Sciences, 2007, 1104, 270-288.	3.8	22
49	Dopamine receptor blockade and extinction differentially affect behavioral variability.. Behavioral Neuroscience, 2006, 120, 488-492.	1.2	21
50	How changes in dopamine D2 receptor levels alter striatal circuit function and motivation. Molecular Psychiatry, 2022, 27, 436-444.	7.9	21
51	Effects of different acquisition procedures on response variability. Learning and Behavior, 1999, 27, 28-41.	3.4	19
52	Oscillators entrained by food and the emergence of anticipatory timing behaviors. Sleep and Biological Rhythms, 2010, 8, 120-136.	1.0	19
53	Improving temporal cognition by enhancing motivation.. Behavioral Neuroscience, 2015, 129, 576-588.	1.2	19
54	The impact of motivation on cognitive performance in an animal model of the negative and cognitive symptoms of schizophrenia.. Behavioral Neuroscience, 2015, 129, 292-299.	1.2	19

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55	An optimal period for setting sustained variability levels. Psychonomic Bulletin and Review, 2001, 8, 177-184.	2.8	18
56	Information: Theory, brain, and behavior. Journal of the Experimental Analysis of Behavior, 2013, 100, 408-431.	1.1	18
57	Dissociating the effects of dopamine D2 receptors on effort-based versus value-based decision making using a novel behavioral approach.. Behavioral Neuroscience, 2020, 134, 101-118.	1.2	18
58	Dopamine D2 receptors modulate the cholinergic pause and inhibitory learning. Molecular Psychiatry, 2022, 27, 1502-1514.	7.9	18
59	EFFECTS OF VARYING THE DURATION OF GRAIN PRESENTATION ON AUTOMAINTENANCE1. Journal of the Experimental Analysis of Behavior, 1978, 29, 27-36.	1.1	17
60	Associative factors and the development of pecking in the ring dove. Developmental Psychobiology, 1985, 18, 447-460.	1.6	17
61	Dopamine D1 and D2 antagonist effects on response likelihood and duration.. Behavioral Neuroscience, 2009, 123, 1279-1287.	1.2	17
62	Orbitofrontal cortex mediates the differential impact of signaled-reward probability on discrimination accuracy. Frontiers in Neuroscience, 2015, 9, 230.	2.8	17
63	Overexpression of striatal D2 receptors reduces motivation thereby decreasing food anticipatory activity. European Journal of Neuroscience, 2020, 51, 71-81.	2.6	16
64	Emerging roles of striatal dopamine D2 receptors in motivated behaviour: Implications for psychiatric disorders. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 47-55.	2.5	15
65	Neonatal eyelid conditioning during sleep. Developmental Psychobiology, 2016, 58, 875-882.	1.6	14
66	Expanding the role of striatal cholinergic interneurons and the midbrain dopamine system in appetitive instrumental conditioning. Journal of Neurophysiology, 2016, 115, 240-254.	1.8	13
67	Social and nutritional influences on the feeding of ring dove squab. Developmental Psychobiology, 1994, 27, 195-204.	1.6	12
68	A corticostriatal deficit promotes temporal distortion of automatic action in ageing. ELife, 2017, 6, .	6.0	12
69	Temporal maps in appetitive Pavlovian conditioning. Behavioural Processes, 2014, 101, 15-22.	1.1	11
70	A search for conditioned reinforcement effects in negative automaintenance of keypecking. Bulletin of the Psychonomic Society, 1975, 6, 165-168.	0.2	10
71	Reward induced response covariation: Side effects revisited. Journal of Applied Behavior Analysis, 1985, 18, 79-80.	2.7	9
72	Effects of Early Strategic Hints on Sustained Variability Levels. Creativity Research Journal, 2003, 15, 331-341.	2.6	9

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73	Evidence for a Mixed Timing and Counting Strategy in Mice Performing a Mechner Counting Task. Frontiers in Behavioral Neuroscience, 2019, 13, 109.	2.0	9
74	Time-scale-invariant information-theoretic contingencies in discrimination learning.. Journal of Experimental Psychology Animal Learning and Cognition, 2019, 45, 280-289.	0.5	9
75	Dopamine encodes real-time reward availability and transitions between reward availability states on different timescales. Nature Communications, 2022, 13, .	12.8	9
76	Unexpected downshifts in reward magnitude induce variation in human behavior. Psychonomic Bulletin and Review, 2014, 21, 436-444.	2.8	8
77	A Search for Preexposure Effects in Autoshaping: Effects of US-Only or Random CS-US Presentations, Intertrial Interval Duration, and Number of Pretraining Trials. Psychological Record, 1980, 30, 561-570.	0.9	7
78	Rescaling of temporal expectations during extinction.. Journal of Experimental Psychology Animal Learning and Cognition, 2017, 43, 1-14.	0.5	7
79	Microcomputers and conditioning research. Behavior Research Methods, 1985, 17, 537-545.	1.3	6
80	The Roles of Experience in the Transition from Dependent to Independent Feeding in Ring Doves. Annals of the New York Academy of Sciences, 1992, 662, 16-36.	3.8	6
81	Form of early pecking in the ring dove squab (Streptoplia risoria): An examination of the preformation hypothesis.. Journal of Comparative Psychology (Washington, D C: 1983), 1993, 107, 261-275.	0.5	6
82	A role for reward valuation in the serotonergic modulation of impulsivity. Psychopharmacology, 2021, 238, 3293-3309.	3.1	6
83	Developmental impact of glutamate transporter overexpression on dopaminergic neuron activity and stereotypic behavior. Molecular Psychiatry, 2022, 27, 1515-1526.	7.9	6
84	Microcomputers in psychology laboratory courses. Behavior Research Methods, 1984, 16, 150-152.	1.3	5
85	Relative temporal representations in Pavlovian conditioning. Behavioural Processes, 2010, 83, 154-161.	1.1	5
86	Effects of cortical and striatal dopamine D1 receptor blockade on cued versus noncued behavioral responses.. Behavioral Neuroscience, 2011, 125, 705-713.	1.2	5
87	Dopamine D2R upregulation in ventral striatopallidal neurons does not affect Pavlovian or go/no-go learning.. Behavioral Neuroscience, 2021, 135, 369-379.	1.2	1
88	Subjective and Real Time: Coding Under Different Drug States. International Journal of Comparative Psychology, 2015, 28, .	0.3	1
89	Learning theory, feed-forward mechanisms, and the adaptiveness of conditioned responding. Behavioral and Brain Sciences, 2004, 27, 698-698.	0.7	0
90	Peak Procedure. , 2020, , 1-6.		0

#	Article	IF	Citations
91	Peak Procedure. , 2022, , 5102-5107.		0