

Bernard W Balleine

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197
papers

18,491
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134
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215
ext. papers

21,240
ext. citations

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avg, IF

7.28
L-index

#	Paper	IF	Citations
197	Human and rodent homologues in action control: corticostriatal determinants of goal-directed and habitual action. <i>Neuropsychopharmacology</i> , 2010 , 35, 48-69	8.7	1139
196	Goal-directed instrumental action: contingency and incentive learning and their cortical substrates. <i>Neuropharmacology</i> , 1998 , 37, 407-19	5.5	1104
195	The role of the dorsal striatum in reward and decision-making. <i>Journal of Neuroscience</i> , 2007 , 27, 8161-56.6		900
194	Lesions of dorsolateral striatum preserve outcome expectancy but disrupt habit formation in instrumental learning. <i>European Journal of Neuroscience</i> , 2004 , 19, 181-9	3.5	870
193	The role of the dorsomedial striatum in instrumental conditioning. <i>European Journal of Neuroscience</i> , 2005 , 22, 513-23	3.5	733
192	Reward, motivation, and reinforcement learning. <i>Neuron</i> , 2002 , 36, 285-98	13.9	626
191	Motivational control of goal-directed action. <i>Learning and Behavior</i> , 1994 , 22, 1-18		594
190	A specific role for posterior dorsolateral striatum in human habit learning. <i>European Journal of Neuroscience</i> , 2009 , 29, 2225-32	3.5	522
189	Parallel incentive processing: an integrated view of amygdala function. <i>Trends in Neurosciences</i> , 2006 , 29, 272-9	13.3	455
188	The role of the nucleus accumbens in instrumental conditioning: Evidence of a functional dissociation between accumbens core and shell. <i>Journal of Neuroscience</i> , 2001 , 21, 3251-60	6.6	445
187	Double dissociation of basolateral and central amygdala lesions on the general and outcome-specific forms of pavlovian-instrumental transfer. <i>Journal of Neuroscience</i> , 2005 , 25, 962-70	6.6	433
186	Inactivation of dorsolateral striatum enhances sensitivity to changes in the action-outcome contingency in instrumental conditioning. <i>Behavioural Brain Research</i> , 2006 , 166, 189-96	3.4	369
185	The role of prelimbic cortex in instrumental conditioning. <i>Behavioural Brain Research</i> , 2003 , 146, 145-57	3.4	320
184	Reward-guided learning beyond dopamine in the nucleus accumbens: the integrative functions of cortico-basal ganglia networks. <i>European Journal of Neuroscience</i> , 2008 , 28, 1437-48	3.5	317
183	Blockade of NMDA receptors in the dorsomedial striatum prevents action-outcome learning in instrumental conditioning. <i>European Journal of Neuroscience</i> , 2005 , 22, 505-12	3.5	306
182	Orbitofrontal cortex mediates outcome encoding in Pavlovian but not instrumental conditioning. <i>Journal of Neuroscience</i> , 2007 , 27, 4819-25	6.6	290
181	The effect of lesions of the basolateral amygdala on instrumental conditioning. <i>Journal of Neuroscience</i> , 2003 , 23, 666-75	6.6	268

180	The integrative function of the basal ganglia in instrumental conditioning. <i>Behavioural Brain Research</i> , 2009 , 199, 43-52	3.4	254
179	Neural bases of food-seeking: affect, arousal and reward in corticostriatolimbic circuits. <i>Physiology and Behavior</i> , 2005 , 86, 717-30	3.5	246
178	Sensorimotor gating abnormalities in young males with fragile X syndrome and Fmr1-knockout mice. <i>Molecular Psychiatry</i> , 2004 , 9, 417-25	15.1	225
177	Lesions of medial prefrontal cortex disrupt the acquisition but not the expression of goal-directed learning. <i>Journal of Neuroscience</i> , 2005 , 25, 7763-70	6.6	210
176	The general and outcome-specific forms of Pavlovian-instrumental transfer are differentially mediated by the nucleus accumbens core and shell. <i>Journal of Neuroscience</i> , 2011 , 31, 11786-94	6.6	207
175	Calculating consequences: brain systems that encode the causal effects of actions. <i>Journal of Neuroscience</i> , 2008 , 28, 6750-5	6.6	190
174	The thalamostriatal pathway and cholinergic control of goal-directed action: interlacing new with existing learning in the striatum. <i>Neuron</i> , 2013 , 79, 153-66	13.9	184
173	Motivational control after extended instrumental training. <i>Learning and Behavior</i> , 1995 , 23, 197-206		183
172	Habits, action sequences and reinforcement learning. <i>European Journal of Neuroscience</i> , 2012 , 35, 1036-51	5.5	178
171	Appetitive Pavlovian-instrumental Transfer: A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 71, 829-848	9	164
170	The effect of lesions of the insular cortex on instrumental conditioning: evidence for a role in incentive memory. <i>Journal of Neuroscience</i> , 2000 , 20, 8954-64	6.6	157
169	General and outcome-specific forms of Pavlovian-instrumental transfer: the effect of shifts in motivational state and inactivation of the ventral tegmental area. <i>European Journal of Neuroscience</i> , 2007 , 26, 3141-9	3.5	156
168	Lesions of mediodorsal thalamus and anterior thalamic nuclei produce dissociable effects on instrumental conditioning in rats. <i>European Journal of Neuroscience</i> , 2003 , 18, 1286-94	3.5	144
167	Differential involvement of the basolateral amygdala and mediodorsal thalamus in instrumental action selection. <i>Journal of Neuroscience</i> , 2008 , 28, 4398-405	6.6	141
166	Distinct opioid circuits determine the palatability and the desirability of rewarding events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12512-7	11.5	136
165	The neural mechanisms underlying the influence of pavlovian cues on human decision making. <i>Journal of Neuroscience</i> , 2008 , 28, 5861-6	6.6	136
164	Associative learning mechanisms underpinning the transition from recreational drug use to addiction. <i>Annals of the New York Academy of Sciences</i> , 2013 , 1282, 12-24	6.5	132
163	The role of incentive learning in instrumental outcome revaluation by sensory-specific satiety. <i>Learning and Behavior</i> , 1998 , 26, 46-59		124

162	Binge-like consumption of a palatable food accelerates habitual control of behavior and is dependent on activation of the dorsolateral striatum. <i>Journal of Neuroscience</i> , 2014 , 34, 5012-22	6.6	122
161	Actions, action sequences and habits: evidence that goal-directed and habitual action control are hierarchically organized. <i>PLoS Computational Biology</i> , 2013 , 9, e1003364	5	121
160	Amygdala central nucleus interacts with dorsolateral striatum to regulate the acquisition of habits. <i>Journal of Neuroscience</i> , 2012 , 32, 1073-81	6.6	121
159	Still at the choice-point: action selection and initiation in instrumental conditioning. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1104, 147-71	6.5	121
158	Corticostriatal control of goal-directed action is impaired in schizophrenia. <i>Biological Psychiatry</i> , 2015 , 77, 187-95	7.9	116
157	At the limbic-motor interface: disconnection of basolateral amygdala from nucleus accumbens core and shell reveals dissociable components of incentive motivation. <i>European Journal of Neuroscience</i> , 2010 , 32, 1735-43	3.5	116
156	Effects of ibotenic acid lesions of the nucleus accumbens on instrumental action. <i>Behavioural Brain Research</i> , 1994 , 65, 181-93	3.4	116
155	Dorsal and ventral streams: the distinct role of striatal subregions in the acquisition and performance of goal-directed actions. <i>Neurobiology of Learning and Memory</i> , 2014 , 108, 104-18	3.1	113
154	Medial Orbitofrontal Cortex Mediates Outcome Retrieval in Partially Observable Task Situations. <i>Neuron</i> , 2015 , 88, 1268-1280	13.9	111
153	Sensitivity to instrumental contingency degradation is mediated by the entorhinal cortex and its efferents via the dorsal hippocampus. <i>Journal of Neuroscience</i> , 2002 , 22, 10976-84	6.6	111
152	Incentive memory: evidence the basolateral amygdala encodes and the insular cortex retrieves outcome values to guide choice between goal-directed actions. <i>Journal of Neuroscience</i> , 2013 , 33, 8753-63	6.6	103
151	The role of the hippocampus in instrumental conditioning. <i>Journal of Neuroscience</i> , 2000 , 20, 4233-9	6.6	103
150	Effects of repeated cocaine exposure on habit learning and reversal by N-acetylcysteine. <i>Neuropsychopharmacology</i> , 2014 , 39, 1893-901	8.7	101
149	The Role of Learning in the Operation of Motivational Systems		99
148	Differential dependence of Pavlovian incentive motivation and instrumental incentive learning processes on dopamine signaling. <i>Learning and Memory</i> , 2011 , 18, 475-83	2.8	96
147	Effects of cytotoxic nucleus accumbens lesions on instrumental conditioning in rats. <i>Experimental Brain Research</i> , 2002 , 144, 50-68	2.3	96
146	Consolidation and reconsolidation of incentive learning in the amygdala. <i>Journal of Neuroscience</i> , 2005 , 25, 830-5	6.6	95
145	Instrumental performance following a shift in primary motivation depends on incentive learning.. <i>Journal of Experimental Psychology</i> , 1992 , 18, 236-250		86

144	Acquisition and performance of goal-directed instrumental actions depends on ERK signaling in distinct regions of dorsal striatum in rats. <i>Journal of Neuroscience</i> , 2010 , 30, 2951-9	6.6	85
143	Evidence of action sequence chunking in goal-directed instrumental conditioning and its dependence on the dorsomedial prefrontal cortex. <i>Journal of Neuroscience</i> , 2009 , 29, 8280-7	6.6	83
142	Neural correlates of instrumental contingency learning: differential effects of action-reward conjunction and disjunction. <i>Journal of Neuroscience</i> , 2011 , 31, 2474-80	6.6	83
141	On habits and addiction: An associative analysis of compulsive drug seeking. <i>Drug Discovery Today: Disease Models</i> , 2008 , 5, 235-245	1.3	83
140	Instrumental and Pavlovian incentive processes have dissociable effects on components of a heterogeneous instrumental chain. <i>Journal of Experimental Psychology</i> , 2003 , 29, 99-106		82
139	Motivational Control of Instrumental Action. <i>Current Directions in Psychological Science</i> , 1995 , 4, 162-167	6.5	82
138	Reduced heart rate variability in social anxiety disorder: associations with gender and symptom severity. <i>PLoS ONE</i> , 2013 , 8, e70468	3.7	78
137	Habits as action sequences: hierarchical action control and changes in outcome value. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	77
136	The acquisition of goal-directed actions generates opposing plasticity in direct and indirect pathways in dorsomedial striatum. <i>Journal of Neuroscience</i> , 2014 , 34, 9196-201	6.6	77
135	Molecular substrates of action control in cortico-striatal circuits. <i>Progress in Neurobiology</i> , 2011 , 95, 1-13	10.9	76
134	The contribution of orbitofrontal cortex to action selection. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1121, 174-92	6.5	75
133	Extracellular dopamine levels in striatal subregions track shifts in motivation and response cost during instrumental conditioning. <i>Journal of Neuroscience</i> , 2011 , 31, 200-7	6.6	72
132	Translational studies of goal-directed action as a framework for classifying deficits across psychiatric disorders. <i>Frontiers in Systems Neuroscience</i> , 2014 , 8, 101	3.5	71
131	Contributions of ERK signaling in the striatum to instrumental learning and performance. <i>Behavioural Brain Research</i> , 2011 , 218, 240-7	3.4	70
130	Genetic control of instrumental conditioning by striatopallidal neuron-specific S1P receptor Gpr6. <i>Nature Neuroscience</i> , 2007 , 10, 1395-7	25.5	69
129	The role of the anterior, mediodorsal, and parafascicular thalamus in instrumental conditioning. <i>Frontiers in Systems Neuroscience</i> , 2013 , 7, 51	3.5	65
128	Motivational control of heterogeneous instrumental chains.. <i>Journal of Experimental Psychology</i> , 1995 , 21, 203-217		64
127	Band Bpjioid-related processes in the accumbens core and shell differentially mediate the influence of reward-guided and stimulus-guided decisions on choice. <i>Journal of Neuroscience</i> , 2012 , 32, 1875-83	6.6	63

126	Benzodiazepine-induced outcome revaluation and the motivational control of instrumental action in rats.. <i>Behavioral Neuroscience</i> , 1994 , 108, 573-589	2.1	63
125	The orbitofrontal cortex, predicted value, and choice. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1239, 43-50	6.5	60
124	Transient extracellular glutamate events in the basolateral amygdala track reward-seeking actions. <i>Journal of Neuroscience</i> , 2012 , 32, 2734-46	6.6	59
123	Learning and Motivational Processes Contributing to Pavlovian-Instrumental Transfer and Their Neural Bases: Dopamine and Beyond. <i>Current Topics in Behavioral Neurosciences</i> , 2016 , 27, 259-89	3.4	58
122	Interaction of insular cortex and ventral striatum mediates the effect of incentive memory on choice between goal-directed actions. <i>Journal of Neuroscience</i> , 2015 , 35, 6464-71	6.6	56
121	Instrumental learning in hyperdopaminergic mice. <i>Neurobiology of Learning and Memory</i> , 2006 , 85, 283-83.1		55
120	Oxytocin selectively moderates negative cognitive appraisals in high trait anxious males. <i>Psychoneuroendocrinology</i> , 2012 , 37, 2022-31	5	53
119	Differential effects of escapable and inescapable footshock on hippocampal theta activity.. <i>Behavioral Neuroscience</i> , 1991 , 105, 202-209	2.1	53
118	Prefrontal Corticostriatal Disconnection Blocks the Acquisition of Goal-Directed Action. <i>Journal of Neuroscience</i> , 2018 , 38, 1311-1322	6.6	51
117	Learning-related translocation of Epioid receptors on ventral striatal cholinergic interneurons mediates choice between goal-directed actions. <i>Journal of Neuroscience</i> , 2013 , 33, 16060-71	6.6	50
116	Micro-opioid receptor activation in the basolateral amygdala mediates the learning of increases but not decreases in the incentive value of a food reward. <i>Journal of Neuroscience</i> , 2011 , 31, 1591-9	6.6	50
115	The Meaning of Behavior: Discriminating Reflex and Volition in the Brain. <i>Neuron</i> , 2019 , 104, 47-62	13.9	48
114	The role of the amygdala-striatal pathway in the acquisition and performance of goal-directed instrumental actions. <i>Journal of Neuroscience</i> , 2013 , 33, 17682-90	6.6	47
113	Selective reinstatement of instrumental performance depends on the discriminative stimulus properties of the mediating outcome. <i>Learning and Behavior</i> , 2007 , 35, 43-52		46
112	The role of Pavlovian cues in alcohol seeking in dependent and nondependent rats. <i>Journal of Studies on Alcohol and Drugs</i> , 2005 , 66, 53-61		46
111	The Bilateral Prefronto-striatal Pathway Is Necessary for Learning New Goal-Directed Actions. <i>Current Biology</i> , 2018 , 28, 2218-2229.e7	6.3	42
110	Dorsomedial prefrontal cortex resolves response conflict in rats. <i>Journal of Neuroscience</i> , 2006 , 26, 5224-6	6.6	41
109	Aging-Related Dysfunction of Striatal Cholinergic Interneurons Produces Conflict in Action Selection. <i>Neuron</i> , 2016 , 90, 362-73	13.9	41

108	Pulling habits out of rats: adenosine 2A receptor antagonism in dorsomedial striatum rescues meth-amphetamine-induced deficits in goal-directed action. <i>Addiction Biology</i> , 2017 , 22, 172-183	4.6	40
107	The role of opioid processes in reward and decision-making. <i>British Journal of Pharmacology</i> , 2015 , 172, 449-59	8.6	40
106	Plasticity in striatopallidal projection neurons mediates the acquisition of habitual actions. <i>European Journal of Neuroscience</i> , 2015 , 42, 2097-104	3.5	38
105	Opioid and dopaminergic processes in accumbens shell modulate the cholinergic control of predictive learning and choice. <i>Journal of Neuroscience</i> , 2014 , 34, 1358-69	6.6	38
104	Impairments in goal-directed actions predict treatment response to cognitive-behavioral therapy in social anxiety disorder. <i>PLoS ONE</i> , 2014 , 9, e94778	3.7	38
103	Ventral pallidal projections to mediodorsal thalamus and ventral tegmental area play distinct roles in outcome-specific Pavlovian-instrumental transfer. <i>Journal of Neuroscience</i> , 2015 , 35, 4953-64	6.6	37
102	The ventral striato-pallidal pathway mediates the effect of predictive learning on choice between goal-directed actions. <i>Journal of Neuroscience</i> , 2013 , 33, 13848-60	6.6	36
101	Hierarchical control of goal-directed action in the cortical basal ganglia network. <i>Current Opinion in Behavioral Sciences</i> , 2015 , 5, 1-7	4	34
100	From learning to action: the integration of dorsal striatal input and output pathways in instrumental conditioning. <i>European Journal of Neuroscience</i> , 2019 , 49, 658-671	3.5	33
99	Action-value comparisons in the dorsolateral prefrontal cortex control choice between goal-directed actions. <i>Nature Communications</i> , 2014 , 5, 4390	17.4	33
98	Hierarchical and binary associations compete for behavioral control during instrumental biconditional discrimination. <i>Journal of Experimental Psychology</i> , 2013 , 39, 2-13		33
97	The Neural Basis of Choice and Decision Making. <i>Journal of Neuroscience</i> , 2007 , 27, 8159-8160	6.6	33
96	Alcohol-Paired Contextual Cues Produce an Immediate and Selective Loss of Goal-directed Action in Rats. <i>Frontiers in Integrative Neuroscience</i> , 2010 , 4,	3.2	31
95	Role of cholecystokinin in the motivational control of instrumental action in rats.. <i>Behavioral Neuroscience</i> , 1994 , 108, 590-605	2.1	31
94	Sexual experience interacts with steroid exposure to shape the partner preferences of rats. <i>Hormones and Behavior</i> , 2002 , 42, 148-57	3.7	28
93	Thalamocortical integration of instrumental learning and performance and their disintegration in addiction. <i>Brain Research</i> , 2015 , 1628, 104-16	3.7	26
92	The influence of Pavlovian cues on instrumental performance is mediated by CaMKII activity in the striatum. <i>European Journal of Neuroscience</i> , 2007 , 25, 2491-7	3.5	26
91	Thalamic Control of Dorsomedial Striatum Regulates Internal State to Guide Goal-Directed Action Selection. <i>Journal of Neuroscience</i> , 2017 , 37, 3721-3733	6.6	25

90	Reduced goal-directed action control in autism spectrum disorder. <i>Autism Research</i> , 2016 , 9, 1285-1293	5.1	25
89	Stress associated changes in Pavlovian-instrumental transfer in humans. <i>Quarterly Journal of Experimental Psychology</i> , 2017 , 70, 675-685	1.8	24
88	Local D2- to D1-neuron transmodulation updates goal-directed learning in the striatum. <i>Science</i> , 2020 , 367, 549-555	33.3	23
87	Striatal cholinergic interneurons display activity-related phosphorylation of ribosomal protein S6. <i>PLoS ONE</i> , 2012 , 7, e53195	3.7	23
86	Helplessness and escape performance: Glutamate-adenosine interactions in the frontal cortex.. <i>Behavioral Neuroscience</i> , 2003 , 117, 123-135	2.1	23
85	Inferring action-dependent outcome representations depends on anterior but not posterior medial orbitofrontal cortex. <i>Neurobiology of Learning and Memory</i> , 2018 , 155, 463-473	3.1	23
84	Consolidation of Goal-Directed Action Depends on MAPK/ERK Signaling in Rodent Prelimbic Cortex. <i>Journal of Neuroscience</i> , 2016 , 36, 11974-11986	6.6	22
83	Hierarchical Action Control: Adaptive Collaboration Between Actions and Habits. <i>Frontiers in Psychology</i> , 2019 , 10, 2735	3.4	22
82	Multiple Forms of Value Learning and the Function of Dopamine 2009 , 367-387		21
81	Perceptual learning enhances retrospective revaluation of conditioned flavor preferences in rats. <i>Journal of Experimental Psychology</i> , 2005 , 31, 341-50		21
80	Factual and Counterfactual Action-Outcome Mappings Control Choice between Goal-Directed Actions in Rats. <i>Current Biology</i> , 2015 , 25, 1074-9	6.3	20
79	Role of primary motivation in stimulus preexposure effects.. <i>Journal of Experimental Psychology</i> , 1996 , 22, 32-42		19
78	Toluene inhalation in adolescent rats reduces flexible behaviour in adulthood and alters glutamatergic and GABAergic signalling. <i>Journal of Neurochemistry</i> , 2016 , 139, 806-822	6	18
77	The Lateral Habenula and Its Input to the Rostromedial Tegmental Nucleus Mediates Outcome-Specific Conditioned Inhibition. <i>Journal of Neuroscience</i> , 2017 , 37, 10932-10942	6.6	17
76	µOpioid receptors in the accumbens shell mediate the influence of both excitatory and inhibitory predictions on choice. <i>British Journal of Pharmacology</i> , 2015 , 172, 562-70	8.6	17
75	Extinction Generates Outcome-Specific Conditioned Inhibition. <i>Current Biology</i> , 2016 , 26, 3169-3175	6.3	17
74	Electrocortical components of anticipation and consumption in a monetary incentive delay task. <i>Psychophysiology</i> , 2017 , 54, 1686-1705	4.1	17
73	Incentive learning and the motivational control of instrumental performance by thirst. <i>Learning and Behavior</i> , 1992 , 20, 322-328		17

72	Open-field PET: Simultaneous brain functional imaging and behavioural response measurements in freely moving small animals. <i>NeuroImage</i> , 2019 , 188, 92-101	7.9	17
71	Methamphetamine promotes habitual action and alters the density of striatal glutamate receptor and vesicular proteins in dorsal striatum. <i>Addiction Biology</i> , 2018 , 23, 857-867	4.6	16
70	The influence of amphetamine on sensory and conditioned reinforcement: evidence for the re-selection hypothesis of dopamine function. <i>Frontiers in Integrative Neuroscience</i> , 2007 , 1, 9	3.2	16
69	Cholecystokinin attenuates incentive learning in rats.. <i>Behavioral Neuroscience</i> , 1995 , 109, 312-319	2.1	15
68	Inhibition of semicarbazide-sensitive amine oxidase/vascular adhesion protein-1 reduces lipopolysaccharide-induced neuroinflammation. <i>British Journal of Pharmacology</i> , 2017 , 174, 2302-2317	8.6	14
67	Impairments in action-outcome learning in schizophrenia. <i>Translational Psychiatry</i> , 2018 , 8, 54	8.6	13
66	The disunity of Pavlovian and instrumental values. <i>Behavioral and Brain Sciences</i> , 2008 , 31, 456-457	0.9	13
65	Variance After-Effects Distort Risk Perception in Humans. <i>Current Biology</i> , 2016 , 26, 1500-4	6.3	13
64	A novel, modernized Golgi-Cox stain optimized for CLARITY cleared tissue. <i>Journal of Neuroscience Methods</i> , 2018 , 294, 102-110	3	13
63	Models that learn how humans learn: The case of decision-making and its disorders. <i>PLoS Computational Biology</i> , 2019 , 15, e1006903	5	12
62	Resolution of conflict between goal-directed actions: outcome encoding and neural control processes. <i>Journal of Experimental Psychology</i> , 2009 , 35, 382-93		12
61	Inhibitory sensory preconditioning. <i>Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology</i> , 2004 , 57, 261-72		12
60	Mediated conditioning versus retrospective revaluation in humans: the influence of physical and functional similarity of cues. <i>Quarterly Journal of Experimental Psychology</i> , 2009 , 62, 470-82	1.8	11
59	Stimulus salience and retrospective revaluation. <i>Journal of Experimental Psychology</i> , 2006 , 32, 481-7		11
58	Footshock stress facilitates self-stimulation of the medial prefrontal cortex but not the lateral hypothalamus in the rat. <i>Brain Research</i> , 1989 , 490, 397-403	3.7	11
57	Motivational control of second-order conditioning. <i>Journal of Experimental Psychology</i> , 2005 , 31, 334-40		10
56	An assessment of factors contributing to instrumental performance for sexual reward in the rat. <i>Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology</i> , 2002 , 55, 75-88		10
55	Striatal direct and indirect pathway neurons differentially control the encoding and updating of goal-directed learning. <i>ELife</i> , 2020 , 9,	8.9	10

54	Inhibitory Pavlovian-instrumental transfer in humans. <i>Journal of Experimental Psychology Animal Learning and Cognition</i> , 2017 , 43, 315-324	1.4	10
53	Goal-directed actions transiently depend on dorsal hippocampus. <i>Nature Neuroscience</i> , 2020 , 23, 1194-1197	13.5	10
52	Learning the structure of the world: The adaptive nature of state-space and action representations in multi-stage decision-making. <i>PLoS Computational Biology</i> , 2019 , 15, e1007334	5	10
51	Neuroscience in gambling policy and treatment: an interdisciplinary perspective. <i>Lancet Psychiatry</i> , 2017 , 4, 501-506	23.3	9
50	Intermittent feeding alters sensitivity to changes in reward value. <i>Appetite</i> , 2017 , 113, 1-6	4.5	9
49	Effects of ethanol and tertiary butanol on blood glucose levels and body temperature of rats. <i>Alcohol</i> , 1989 , 6, 183-7	2.7	9
48	A new framework for conceptualizing symptoms in frontotemporal dementia: from animal models to the clinic. <i>Brain</i> , 2018 , 141, 2245-2254	11.2	8
47	The L-type calcium channel blocker nimodipine mitigates "learned helplessness" in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2003 , 74, 269-78	3.9	8
46	Incentive Behavior 2004 , 436-446		8
45	Intact corticostriatal control of goal-directed action in Alcohol Use Disorder: a Pavlovian-to-instrumental transfer and outcome-devaluation study. <i>Scientific Reports</i> , 2020 , 10, 4949	4.9	7
44	A corticostriatal deficit promotes temporal distortion of automatic action in ageing. <i>ELife</i> , 2017 , 6,	8.9	7
43	Environment-specific conditioning produced by electrical stimulation of the lateral hypothalamus. <i>Physiology and Behavior</i> , 1989 , 46, 907-12	3.5	7
42	Reconsideration of the role of competing responses in demonstrations of the interference effect (learned helplessness).. <i>Journal of Experimental Psychology</i> , 1991 , 17, 270-280		7
41	Amygdala-Cortical Control of Striatal Plasticity Drives the Acquisition of Goal-Directed Action. <i>Current Biology</i> , 2020 , 30, 4541-4546.e5	6.3	7
40	Motivational state controls the prediction error in Pavlovian appetitive-aversive interactions. <i>Neurobiology of Learning and Memory</i> , 2018 , 147, 18-25	3.1	7
39	Chronic Morphine Reduces Surface Expression of μ Opioid Receptors in Subregions of Rostral Striatum. <i>Neurochemical Research</i> , 2016 , 41, 500-9	4.6	6
38	Basolateral Amygdala Drives a GPCR-Mediated Striatal Memory Necessary for Predictive Learning to Influence Choice. <i>Neuron</i> , 2020 , 106, 855-869.e8	13.9	6
37	Motivational control of blocking. <i>Journal of Experimental Psychology</i> , 2006 , 32, 33-43		6

36	A Neuroethics Framework for the Australian Brain Initiative. <i>Neuron</i> , 2019 , 101, 365-369	13.9	5
35	Substance P and dopamine interact to modulate the distribution of delta-opioid receptors on cholinergic interneurons in the striatum. <i>European Journal of Neuroscience</i> , 2018 , 47, 1159-1173	3.5	4
34	Extracting functional equivalence from reversing contingencies. <i>Journal of Experimental Psychology</i> , 2010 , 36, 165-71		4
33	Integrated accounts of behavioral and neuroimaging data using flexible recurrent neural network models		4
32	Controllability of prestimulation of the medial prefrontal cortex determines the facilitation of self-stimulation and kindled seizures. <i>Physiology and Behavior</i> , 1989 , 46, 239-45	3.5	3
31	The acquisition of self-stimulation of the medial prefrontal cortex following exposure to escapable or inescapable footshock. <i>Behavioural Brain Research</i> , 1991 , 43, 167-74	3.4	3
30	Prediction and control of operant behavior: What you see is not all there is. <i>Behavior Analysis (Washington, D C)</i> , 2019 , 19, 202-212	1.4	3
29	Impaired causal awareness and associated cortical-basal ganglia structural changes in youth psychiatric disorders. <i>NeuroImage: Clinical</i> , 2016 , 12, 285-92	5.3	3
28	It's elemental my dear Watson. <i>Behavioural Processes</i> , 2008 , 77, 434-6	1.6	2
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