Bernard W Balleine

List of Publications by Year in Descending Order

197 papers	18,491 citations	68 h-index	134 g-index
215 ext. papers	21,240 ext. citations	6.1 avg, IF	7.28 L-index

#	Paper	IF	Citations
197	Animal models of action control and cognitive dysfunction in Parkinson's disease.. *Progress in Brain Research*, **2022**, 269, 227-255	2.9	
196	CRF-receptor1 modulation of the dopamine projection to prelimbic cortex facilitates cognitive flexibility after acute and chronic stress.. *Neurobiology of Stress*, **2022**, 16, 100424	7.6	0
195	The neural bases of action-outcome learning in humans.. *Journal of Neuroscience*, **2022**,	6.6	1
194	Affective Valence Regulates Associative Competition in Pavlovian Conditioning.. *Frontiers in Behavioral Neuroscience*, **2022**, 16, 801474	3.5	0
193	Determining the effects of training duration on the behavioral expression of habitual control in humans: a multilaboratory investigation.. *Learning and Memory*, **2022**, 29, 16-28	2.8	1
192	Medial Striatum **2022**, 4153-4157		
191	A Novel Estimation Method for the Counting of Dendritic Spines.. *Journal of Neuroscience Methods*, **2021**, 368, 109454	3	0
190	Inhibition of vascular adhesion protein 1 protects dopamine neurons from the effects of acute inflammation and restores habit learning in the striatum. *Journal of Neuroinflammation*, **2021**, 18, 233	10.1	1
189	Emotional predictions and choice. *Nature Human Behaviour*, **2021**, 5, 1271-1272	12.8	0
188	Impact of ambient sound on risk perception in humans: neuroeconomic investigations. *Scientific Reports*, **2021**, 11, 5392	4.9	2
187	Does disrupting the orbitofrontal cortex alter sensitivity to punishment? A potential mechanism of compulsivity. *Behavioral Neuroscience*, **2021**, 135, 174-181	2.1	0
186	A GPCR-based memory process mediates the influence of predictive learning on choice between competing courses of action.. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2021**, 94, 1-SL4	0	
185	How predictive learning influences choice: Evidence for a GPCR-based memory process necessary for Pavlovian-instrumental transfer. *Journal of Neurochemistry*, **2021**, 157, 1436-1449	6	0
184	General Pavlovian-instrumental transfer tests reveal selective inhibition of the response type - whether Pavlovian or instrumental - performed during extinction. *Neurobiology of Learning and Memory*, **2021**, 183, 107483	3.1	1
183	The dorsomedial striatum: an optimal cellular environment for encoding and updating goal-directed learning. *Current Opinion in Behavioral Sciences*, **2021**, 41, 38-44	4	1
182	Intact corticostriatal control of goal-directed action in Alcohol Use Disorder: a Pavlovian-to-instrumental transfer and outcome-devaluation study. *Scientific Reports*, **2020**, 10, 4949	4.9	7
181	Local D2- to D1-neuron transmodulation updates goal-directed learning in the striatum. *Science*, **2020**, 367, 549-555	33.3	23

180	Basolateral Amygdala Drives a GPCR-Mediated Striatal Memory Necessary for Predictive Learning to Influence Choice. *Neuron*, **2020**, 106, 855-869.e8	13.9	6
179	K369I Tau Mice Demonstrate a Shift Towards Striatal Neuron Burst Firing and Goal-directed Behaviour. *Neuroscience*, **2020**, 449, 46-62	3.9	0
178	Striatal direct and indirect pathway neurons differentially control the encoding and updating of goal-directed learning. *ELife*, **2020**, 9,	8.9	10
177	Medial Orbitofrontal Cortex Regulates Instrumental Conditioned Punishment, but not Pavlovian Conditioned Fear. *Cerebral Cortex Communications*, **2020**, 1, tgaa039	1.9	2
176	Amygdala-Cortical Control of Striatal Plasticity Drives the Acquisition of Goal-Directed Action. *Current Biology*, **2020**, 30, 4541-4546.e5	6.3	7
175	Goal-directed actions transiently depend on dorsal hippocampus. *Nature Neuroscience*, **2020**, 23, 1194-1197	25	10
174	Models that learn how humans learn: The case of decision-making and its disorders. *PLoS Computational Biology*, **2019**, 15, e1006903	5	12
173	A Neuroethics Framework for the Australian Brain Initiative. *Neuron*, **2019**, 101, 365-369	13.9	5
172	From learning to action: the integration of dorsal striatal input and output pathways in instrumental conditioning. *European Journal of Neuroscience*, **2019**, 49, 658-671	3.5	33
171	The Meaning of Behavior: Discriminating Reflex and Volition in the Brain. *Neuron*, **2019**, 104, 47-62	13.9	48
170	Prediction and control of operant behavior: What you see is not all there is. *Behavior Analysis (Washington, D C)*, **2019**, 19, 202-212	1.4	3
169	Hierarchical Action Control: Adaptive Collaboration Between Actions and Habits. *Frontiers in Psychology*, **2019**, 10, 2735	3.4	22
168	Learning the structure of the world: The adaptive nature of state-space and action representations in multi-stage decision-making. *PLoS Computational Biology*, **2019**, 15, e1007334	5	10
167	Optimal response vigor and choice under non-stationary outcome values. *Psychonomic Bulletin and Review*, **2019**, 26, 182-204	4.1	1
166	Open-field PET: Simultaneous brain functional imaging and behavioural response measurements in freely moving small animals. *NeuroImage*, **2019**, 188, 92-101	7.9	17
165	Impairments in action-outcome learning in schizophrenia. *Translational Psychiatry*, **2018**, 8, 54	8.6	13
164	Prefrontal Corticostriatal Disconnection Blocks the Acquisition of Goal-Directed Action. *Journal of Neuroscience*, **2018**, 38, 1311-1322	6.6	51
163	Methamphetamine promotes habitual action and alters the density of striatal glutamate receptor and vesicular proteins in dorsal striatum. *Addiction Biology*, **2018**, 23, 857-867	4.6	16

162	Substance P and dopamine interact to modulate the distribution of delta-opioid receptors on cholinergic interneurons in the striatum. *European Journal of Neuroscience*, **2018**, 47, 1159-1173	3.5	4
161	The Bilateral Prefronto-striatal Pathway Is Necessary for Learning New Goal-Directed Actions. *Current Biology*, **2018**, 28, 2218-2229.e7	6.3	42
160	A new framework for conceptualizing symptoms in frontotemporal dementia: from animal models to the clinic. *Brain*, **2018**, 141, 2245-2254	11.2	8
159	A novel, modernized Golgi-Cox stain optimized for CLARITY cleared tissue. *Journal of Neuroscience Methods*, **2018**, 294, 102-110	3	13
158	Motivational state controls the prediction error in Pavlovian appetitive-aversive interactions. *Neurobiology of Learning and Memory*, **2018**, 147, 18-25	3.1	7
157	Inferring action-dependent outcome representations depends on anterior but not posterior medial orbitofrontal cortex. *Neurobiology of Learning and Memory*, **2018**, 155, 463-473	3.1	23
156	The Motivation of Action and the Origins of Reward **2018**, 429-455		1
155	Stress associated changes in Pavlovian-instrumental transfer in humans. *Quarterly Journal of Experimental Psychology*, **2017**, 70, 675-685	1.8	24
154	Pulling habits out of rats: adenosine 2A receptor antagonism in dorsomedial striatum rescues meth-amphetamine-induced deficits in goal-directed action. *Addiction Biology*, **2017**, 22, 172-183	4.6	40
153	Neuroscience in gambling policy and treatment: an interdisciplinary perspective. *Lancet Psychiatry,the*, **2017**, 4, 501-506	23.3	9
152	Thalamic Control of Dorsomedial Striatum Regulates Internal State to Guide Goal-Directed Action Selection. *Journal of Neuroscience*, **2017**, 37, 3721-3733	6.6	25
151	Intermittent feeding alters sensitivity to changes in reward value. *Appetite*, **2017**, 113, 1-6	4.5	9
150	Inhibition of semicarbazide-sensitive amine oxidase/vascular adhesion protein-1 reduces lipopolysaccharide-induced neuroinflammation. *British Journal of Pharmacology*, **2017**, 174, 2302-2317	8.6	14
149	The Lateral Habenula and Its Input to the Rostromedial Tegmental Nucleus Mediates Outcome-Specific Conditioned Inhibition. *Journal of Neuroscience*, **2017**, 37, 10932-10942	6.6	17
148	A corticostriatal deficit promotes temporal distortion of automatic action in ageing. *ELife*, **2017**, 6,	8.9	7
147	Electrocortical components of anticipation and consumption in a monetary incentive delay task. *Psychophysiology*, **2017**, 54, 1686-1705	4.1	17
146	Inhibitory Pavlovian-instrumental transfer in humans. *Journal of Experimental Psychology Animal Learning and Cognition*, **2017**, 43, 315-324	1.4	10
145	Chronic Morphine Reduces Surface Expression of □Opioid Receptors in Subregions of Rostral Striatum. *Neurochemical Research*, **2016**, 41, 500-9	4.6	6

144	The Psychological and Physiological Mechanisms of Habit Formation **2016**, 409-441		1
143	Consolidation of Goal-Directed Action Depends on MAPK/ERK Signaling in Rodent Prelimbic Cortex. *Journal of Neuroscience*, **2016**, 36, 11974-11986	6.6	22
142	Toluene inhalation in adolescent rats reduces flexible behaviour in adulthood and alters glutamatergic and GABAergic signalling. *Journal of Neurochemistry*, **2016**, 139, 806-822	6	18
141	Extinction Generates Outcome-Specific Conditioned Inhibition. *Current Biology*, **2016**, 26, 3169-3175	6.3	17
140	Learning and Motivational Processes Contributing to Pavlovian-Instrumental Transfer and Their Neural Bases: Dopamine and Beyond. *Current Topics in Behavioral Neurosciences*, **2016**, 27, 259-89	3.4	58
139	The Cognitive Control of Goal-Directed Action: How Predictive Learning Affects Choice. *Advances in Cognitive Neurodynamics*, **2016**, 27-33		1
138	Reduced goal-directed action control in autism spectrum disorder. *Autism Research*, **2016**, 9, 1285-1293	5.1	25
137	Variance After-Effects Distort Risk Perception in Humans. *Current Biology*, **2016**, 26, 1500-4	6.3	13
136	Aging-Related Dysfunction of Striatal Cholinergic Interneurons Produces Conflict in Action Selection. *Neuron*, **2016**, 90, 362-73	13.9	41
135	Impaired causal awareness and associated cortical-basal ganglia structural changes in youth psychiatric disorders. *NeuroImage: Clinical*, **2016**, 12, 285-92	5.3	3
134	Appetitive Pavlovian-instrumental Transfer: A review. *Neuroscience and Biobehavioral Reviews*, **2016**, 71, 829-848	9	164
133	Opioid receptors in the accumbens shell mediate the influence of both excitatory and inhibitory predictions on choice. *British Journal of Pharmacology*, **2015**, 172, 562-70	8.6	17
132	Hierarchical control of goal-directed action in the cortical–basal ganglia network. *Current Opinion in Behavioral Sciences*, **2015**, 5, 1-7	4	34
131	Interaction of insular cortex and ventral striatum mediates the effect of incentive memory on choice between goal-directed actions. *Journal of Neuroscience*, **2015**, 35, 6464-71	6.6	56
130	Ventral pallidal projections to mediodorsal thalamus and ventral tegmental area play distinct roles in outcome-specific Pavlovian-instrumental transfer. *Journal of Neuroscience*, **2015**, 35, 4953-64	6.6	37
129	Factual and Counterfactual Action-Outcome Mappings Control Choice between Goal-Directed Actions in Rats. *Current Biology*, **2015**, 25, 1074-9	6.3	20
128	Plasticity in striatopallidal projection neurons mediates the acquisition of habitual actions. *European Journal of Neuroscience*, **2015**, 42, 2097-104	3.5	38
127	Thalamocortical integration of instrumental learning and performance and their disintegration in addiction. *Brain Research*, **2015**, 1628, 104-16	3.7	26

126	The role of opioid processes in reward and decision-making. *British Journal of Pharmacology*, **2015**, 172, 449-59	8.6	40
125	Medial Orbitofrontal Cortex Mediates Outcome Retrieval in Partially Observable Task Situations. *Neuron*, **2015**, 88, 1268-1280	13.9	111
124	Corticostriatal control of goal-directed action is impaired in schizophrenia. *Biological Psychiatry*, **2015**, 77, 187-95	7.9	116
123	Dorsal and ventral streams: the distinct role of striatal subregions in the acquisition and performance of goal-directed actions. *Neurobiology of Learning and Memory*, **2014**, 108, 104-18	3.1	113
122	Habits as action sequences: hierarchical action control and changes in outcome value. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369,	5.8	77
121	Effects of repeated cocaine exposure on habit learning and reversal by N-acetylcysteine. *Neuropsychopharmacology*, **2014**, 39, 1893-901	8.7	101
120	How many neural systems does it take to change a light bulb?. *Trends in Cognitive Sciences*, **2014**, 18, 510-511	14	
119	Binge-like consumption of a palatable food accelerates habitual control of behavior and is dependent on activation of the dorsolateral striatum. *Journal of Neuroscience*, **2014**, 34, 5012-22	6.6	122
118	Translational studies of goal-directed action as a framework for classifying deficits across psychiatric disorders. *Frontiers in Systems Neuroscience*, **2014**, 8, 101	3.5	71
117	Opioid and dopaminergic processes in accumbens shell modulate the cholinergic control of predictive learning and choice. *Journal of Neuroscience*, **2014**, 34, 1358-69	6.6	38
116	Action-value comparisons in the dorsolateral prefrontal cortex control choice between goal-directed actions. *Nature Communications*, **2014**, 5, 4390	17.4	33
115	The acquisition of goal-directed actions generates opposing plasticity in direct and indirect pathways in dorsomedial striatum. *Journal of Neuroscience*, **2014**, 34, 9196-201	6.6	77
114	Impairments in goal-directed actions predict treatment response to cognitive-behavioral therapy in social anxiety disorder. *PLoS ONE*, **2014**, 9, e94778	3.7	38
113	Associative learning mechanisms underpinning the transition from recreational drug use to addiction. *Annals of the New York Academy of Sciences*, **2013**, 1282, 12-24	6.5	132
112	The thalamostriatal pathway and cholinergic control of goal-directed action: interlacing new with existing learning in the striatum. *Neuron*, **2013**, 79, 153-66	13.9	184
111	Incentive memory: evidence the basolateral amygdala encodes and the insular cortex retrieves outcome values to guide choice between goal-directed actions. *Journal of Neuroscience*, **2013**, 33, 8753-63	6.6	103
110	Hierarchical and binary associations compete for behavioral control during instrumental biconditional discrimination. *Journal of Experimental Psychology*, **2013**, 39, 2-13		33
109	Actions, action sequences and habits: evidence that goal-directed and habitual action control are hierarchically organized. *PLoS Computational Biology*, **2013**, 9, e1003364	5	121

108	Learning-related translocation of □opioid receptors on ventral striatal cholinergic interneurons mediates choice between goal-directed actions. *Journal of Neuroscience*, **2013**, 33, 16060-71	6.6	50
107	The role of the amygdala-striatal pathway in the acquisition and performance of goal-directed instrumental actions. *Journal of Neuroscience*, **2013**, 33, 17682-90	6.6	47
106	The ventral striato-pallidal pathway mediates the effect of predictive learning on choice between goal-directed actions. *Journal of Neuroscience*, **2013**, 33, 13848-60	6.6	36
105	Reduced heart rate variability in social anxiety disorder: associations with gender and symptom severity. *PLoS ONE*, **2013**, 8, e70468	3.7	78
104	The role of the anterior, mediodorsal, and parafascicular thalamus in instrumental conditioning. *Frontiers in Systems Neuroscience*, **2013**, 7, 51	3.5	65
103	Habits, action sequences and reinforcement learning. *European Journal of Neuroscience*, **2012**, 35, 1036-51	3.5	178
102	Oxytocin selectively moderates negative cognitive appraisals in high trait anxious males. *Psychoneuroendocrinology*, **2012**, 37, 2022-31	5	53
101	Striatal cholinergic interneurons display activity-related phosphorylation of ribosomal protein S6. *PLoS ONE*, **2012**, 7, e53195	3.7	23
100	Transient extracellular glutamate events in the basolateral amygdala track reward-seeking actions. *Journal of Neuroscience*, **2012**, 32, 2734-46	6.6	59
99	Amygdala central nucleus interacts with dorsolateral striatum to regulate the acquisition of habits. *Journal of Neuroscience*, **2012**, 32, 1073-81	6.6	121
98	□and □opioid-related processes in the accumbens core and shell differentially mediate the influence of reward-guided and stimulus-guided decisions on choice. *Journal of Neuroscience*, **2012**, 32, 1875-83	6.6	63
97	Contributions of ERK signaling in the striatum to instrumental learning and performance. *Behavioural Brain Research*, **2011**, 218, 240-7	3.4	70
96	Molecular substrates of action control in cortico-striatal circuits. *Progress in Neurobiology*, **2011**, 95, 1-13	10.9	76
95	The orbitofrontal cortex, predicted value, and choice. *Annals of the New York Academy of Sciences*, **2011**, 1239, 43-50	6.5	60
94	The general and outcome-specific forms of Pavlovian-instrumental transfer are differentially mediated by the nucleus accumbens core and shell. *Journal of Neuroscience*, **2011**, 31, 11786-94	6.6	207
93	Extracellular dopamine levels in striatal subregions track shifts in motivation and response cost during instrumental conditioning. *Journal of Neuroscience*, **2011**, 31, 200-7	6.6	72
92	Differential dependence of Pavlovian incentive motivation and instrumental incentive learning processes on dopamine signaling. *Learning and Memory*, **2011**, 18, 475-83	2.8	96
91	Neural correlates of instrumental contingency learning: differential effects of action-reward conjunction and disjunction. *Journal of Neuroscience*, **2011**, 31, 2474-80	6.6	83

90	Micro-opioid receptor activation in the basolateral amygdala mediates the learning of increases but not decreases in the incentive value of a food reward. *Journal of Neuroscience*, **2011**, 31, 1591-9	6.6	50
89	At the limbic-motor interface: disconnection of basolateral amygdala from nucleus accumbens core and shell reveals dissociable components of incentive motivation. *European Journal of Neuroscience* , **2010**, 32, 1735-43	3.5	116
88	Alcohol-Paired Contextual Cues Produce an Immediate and Selective Loss of Goal-directed Action in Rats. *Frontiers in Integrative Neuroscience*, **2010**, 4,	3.2	31
87	Human and rodent homologies in action control: corticostriatal determinants of goal-directed and habitual action. *Neuropsychopharmacology*, **2010**, 35, 48-69	8.7	1139
86	Acquisition and performance of goal-directed instrumental actions depends on ERK signaling in distinct regions of dorsal striatum in rats. *Journal of Neuroscience*, **2010**, 30, 2951-9	6.6	85
85	Extracting functional equivalence from reversing contingencies. *Journal of Experimental Psychology* , **2010**, 36, 165-71		4
84	Multiple Forms of Value Learning and the Function of Dopamine **2009**, 367-387		21
83	Mediated conditioning versus retrospective revaluation in humans: the influence of physical and functional similarity of cues. *Quarterly Journal of Experimental Psychology*, **2009**, 62, 470-82	1.8	11
82	Evidence of action sequence chunking in goal-directed instrumental conditioning and its dependence on the dorsomedial prefrontal cortex. *Journal of Neuroscience*, **2009**, 29, 8280-7	6.6	83
81	Distinct opioid circuits determine the palatability and the desirability of rewarding events. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12512-7	11.5	136
80	A specific role for posterior dorsolateral striatum in human habit learning. *European Journal of Neuroscience*, **2009**, 29, 2225-32	3.5	522
79	The integrative function of the basal ganglia in instrumental conditioning. *Behavioural Brain Research*, **2009**, 199, 43-52	3.4	254
78	Resolution of conflict between goal-directed actions: outcome encoding and neural control processes. *Journal of Experimental Psychology*, **2009**, 35, 382-93		12
77	Reward-guided learning beyond dopamine in the nucleus accumbens: the integrative functions of cortico-basal ganglia networks. *European Journal of Neuroscience*, **2008**, 28, 1437-48	3.5	317
76	On habits and addiction: An associative analysis of compulsive drug seeking. *Drug Discovery Today: Disease Models*, **2008**, 5, 235-245	1.3	83
75	It's elemental my dear Watson. *Behavioural Processes*, **2008**, 77, 434-6	1.6	2
74	Inhibitory sensory preconditioning detected with a sodium depletion procedure. *Quarterly Journal of Experimental Psychology*, **2008**, 61, 240-7	1.8	2
73	The disunity of Pavlovian and instrumental values. *Behavioral and Brain Sciences*, **2008**, 31, 456-457	0.9	13

72	The neural mechanisms underlying the influence of pavlovian cues on human decision making. *Journal of Neuroscience*, **2008**, 28, 5861-6	6.6	136
71	Differential involvement of the basolateral amygdala and mediodorsal thalamus in instrumental action selection. *Journal of Neuroscience*, **2008**, 28, 4398-405	6.6	141
70	Calculating consequences: brain systems that encode the causal effects of actions. *Journal of Neuroscience*, **2008**, 28, 6750-5	6.6	190
69	The influence of amphetamine on sensory and conditioned reinforcement: evidence for the re-selection hypothesis of dopamine function. *Frontiers in Integrative Neuroscience*, **2007**, 1, 9	3.2	16
68	Genetic control of instrumental conditioning by striatopallidal neuron-specific S1P receptor Gpr6. *Nature Neuroscience*, **2007**, 10, 1395-7	25.5	69
67	The influence of Pavlovian cues on instrumental performance is mediated by CaMKII activity in the striatum. *European Journal of Neuroscience*, **2007**, 25, 2491-7	3.5	26
66	General and outcome-specific forms of Pavlovian-instrumental transfer: the effect of shifts in motivational state and inactivation of the ventral tegmental area. *European Journal of Neuroscience* , **2007**, 26, 3141-9	3.5	156
65	Selective reinstatement of instrumental performance depends on the discriminative stimulus properties of the mediating outcome. *Learning and Behavior*, **2007**, 35, 43-52		46
64	Still at the choice-point: action selection and initiation in instrumental conditioning. *Annals of the New York Academy of Sciences*, **2007**, 1104, 147-71	6.5	121
63	The contribution of orbitofrontal cortex to action selection. *Annals of the New York Academy of Sciences*, **2007**, 1121, 174-92	6.5	75
62	The Neural Basis of Choice and Decision Making. *Journal of Neuroscience*, **2007**, 27, 8159-8160	6.6	33
61	Orbitofrontal cortex mediates outcome encoding in Pavlovian but not instrumental conditioning. *Journal of Neuroscience*, **2007**, 27, 4819-25	6.6	290
60	The role of the dorsal striatum in reward and decision-making. *Journal of Neuroscience*, **2007**, 27, 8161-5	6.6	900
59	Dorsomedial prefrontal cortex resolves response conflict in rats. *Journal of Neuroscience*, **2006**, 26, 5224-36	6.6	41
58	Inactivation of dorsolateral striatum enhances sensitivity to changes in the action-outcome contingency in instrumental conditioning. *Behavioural Brain Research*, **2006**, 166, 189-96	3.4	369
57	Instrumental learning in hyperdopaminergic mice. *Neurobiology of Learning and Memory*, **2006**, 85, 283-8	3.1	55
56	Parallel incentive processing: an integrated view of amygdala function. *Trends in Neurosciences*, **2006**, 29, 272-9	13.3	455
55	Stimulus salience and retrospective revaluation. *Journal of Experimental Psychology*, **2006**, 32, 481-7		11

54	Motivational control of blocking. *Journal of Experimental Psychology*, **2006**, 32, 33-43		6
53	Neural bases of food-seeking: affect, arousal and reward in corticostriatolimbic circuits. *Physiology and Behavior*, **2005**, 86, 717-30	3.5	246
52	The role of Pavlovian cues in alcohol seeking in dependent and nondependent rats. *Journal of Studies on Alcohol and Drugs*, **2005**, 66, 53-61		46
51	Perceptual learning enhances retrospective revaluation of conditioned flavor preferences in rats. *Journal of Experimental Psychology*, **2005**, 31, 341-50		21
50	The role of the dorsomedial striatum in instrumental conditioning. *European Journal of Neuroscience*, **2005**, 22, 513-23	3.5	733
49	Blockade of NMDA receptors in the dorsomedial striatum prevents action-outcome learning in instrumental conditioning. *European Journal of Neuroscience*, **2005**, 22, 505-12	3.5	306
48	Lesions of medial prefrontal cortex disrupt the acquisition but not the expression of goal-directed learning. *Journal of Neuroscience*, **2005**, 25, 7763-70	6.6	210
47	Consolidation and reconsolidation of incentive learning in the amygdala. *Journal of Neuroscience*, **2005**, 25, 830-5	6.6	95
46	Double dissociation of basolateral and central amygdala lesions on the general and outcome-specific forms of pavlovian-instrumental transfer. *Journal of Neuroscience*, **2005**, 25, 962-70	6.6	433
45	Motivational control of second-order conditioning. *Journal of Experimental Psychology*, **2005**, 31, 334-40		10
44	Inhibitory sensory preconditioning. *Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology*, **2004**, 57, 261-72		12
43	Lesions of dorsolateral striatum preserve outcome expectancy but disrupt habit formation in instrumental learning. *European Journal of Neuroscience*, **2004**, 19, 181-9	3.5	870
42	Sensorimotor gating abnormalities in young males with fragile X syndrome and Fmr1-knockout mice. *Molecular Psychiatry*, **2004**, 9, 417-25	15.1	225
41	Incentive Behavior **2004**, 436-446		8
40	Instrumental and Pavlovian incentive processes have dissociable effects on components of a heterogeneous instrumental chain. *Journal of Experimental Psychology*, **2003**, 29, 99-106		82
39	Helplessness and escape performance: Glutamate-adenosine interactions in the frontal cortex.. *Behavioral Neuroscience*, **2003**, 117, 123-135	2.1	23
38	The effect of lesions of the basolateral amygdala on instrumental conditioning. *Journal of Neuroscience*, **2003**, 23, 666-75	6.6	268
37	The L-type calcium channel blocker nimodipine mitigates "learned helplessness" in rats. *Pharmacology Biochemistry and Behavior*, **2003**, 74, 269-78	3.9	8

36	Lesions of mediodorsal thalamus and anterior thalamic nuclei produce dissociable effects on instrumental conditioning in rats. *European Journal of Neuroscience*, **2003**, 18, 1286-94	3.5	144
35	The role of prelimbic cortex in instrumental conditioning. *Behavioural Brain Research*, **2003**, 146, 145-57	3.4	320
34	Sensitivity to instrumental contingency degradation is mediated by the entorhinal cortex and its efferents via the dorsal hippocampus. *Journal of Neuroscience*, **2002**, 22, 10976-84	6.6	111
33	Effects of cytotoxic nucleus accumbens lesions on instrumental conditioning in rats. *Experimental Brain Research*, **2002**, 144, 50-68	2.3	96
32	An assessment of factors contributing to instrumental performance for sexual reward in the rat. *Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology*, **2002**, 55, 75-88		10
31	Sexual experience interacts with steroid exposure to shape the partner preferences of rats. *Hormones and Behavior*, **2002**, 42, 148-57	3.7	28
30	Reward, motivation, and reinforcement learning. *Neuron*, **2002**, 36, 285-98	13.9	626
29	The role of the nucleus accumbens in instrumental conditioning: Evidence of a functional dissociation between accumbens core and shell. *Journal of Neuroscience*, **2001**, 21, 3251-60	6.6	445
28	The role of the hippocampus in instrumental conditioning. *Journal of Neuroscience*, **2000**, 20, 4233-9	6.6	103
27	The effect of lesions of the insular cortex on instrumental conditioning: evidence for a role in incentive memory. *Journal of Neuroscience*, **2000**, 20, 8954-64	6.6	157
26	The role of incentive learning in instrumental outcome revaluation by sensory-specific satiety. *Learning and Behavior*, **1998**, 26, 46-59		124
25	Goal-directed instrumental action: contingency and incentive learning and their cortical substrates. *Neuropharmacology*, **1998**, 37, 407-19	5.5	1104
24	Role of primary motivation in stimulus preexposure effects.. *Journal of Experimental Psychology*, **1996**, 22, 32-42		19
23	Motivational control after extended instrumental training. *Learning and Behavior*, **1995**, 23, 197-206		183
22	Motivational Control of Instrumental Action. *Current Directions in Psychological Science*, **1995**, 4, 162-167	6.5	82
21	Motivational control of heterogeneous instrumental chains.. *Journal of Experimental Psychology*, **1995**, 21, 203-217		64
20	Cholecystokinin attenuates incentive learning in rats.. *Behavioral Neuroscience*, **1995**, 109, 312-319	2.1	15
19	Motivational control of goal-directed action. *Learning and Behavior*, **1994**, 22, 1-18		594

18	Effects of ibotenic acid lesions of the nucleus accumbens on instrumental action. *Behavioural Brain Research*, **1994**, 65, 181-93	3.4	116
17	Benzodiazepine-induced outcome revaluation and the motivational control of instrumental action in rats.. *Behavioral Neuroscience*, **1994**, 108, 573-589	2.1	63
16	Role of cholecystokinin in the motivational control of instrumental action in rats.. *Behavioral Neuroscience*, **1994**, 108, 590-605	2.1	31
15	Instrumental performance following a shift in primary motivation depends on incentive learning.. *Journal of Experimental Psychology*, **1992**, 18, 236-250		86
14	Incentive learning and the motivational control of instrumental performance by thirst. *Learning and Behavior*, **1992**, 20, 322-328		17
13	Differential effects of escapable and inescapable footshock on hippocampal theta activity.. *Behavioral Neuroscience*, **1991**, 105, 202-209	2.1	53
12	The acquisition of self-stimulation of the medical prefrontal cortex following exposure to escapable or inescapable footshock. *Behavioural Brain Research*, **1991**, 43, 167-74	3.4	3
11	Reconsideration of the role of competing responses in demonstrations of the interference effect (learned helplessness).. *Journal of Experimental Psychology*, **1991**, 17, 270-280		7
10	Effects of ethanol and tertiary butanol on blood glucose levels and body temperature of rats. *Alcohol*, **1989**, 6, 183-7	2.7	9
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