Geoffrey Schoenbaum

List of Publications by Citations

165 papers	13,959 citations	59 h-index	117 g-index
196 ext. papers	16,164 ext. citations	9.5 avg, IF	6.83 L-index

#	Paper	IF	Citations
165	Orbitofrontal cortex and basolateral amygdala encode expected outcomes during learning. *Nature Neuroscience*, **1998**, 1, 155-9	25.5	712
164	Orbitofrontal cortex and representation of incentive value in associative learning. *Journal of Neuroscience*, **1999**, 19, 6610-4	6.6	499
163	Orbitofrontal cortex as a cognitive map of task space. *Neuron*, **2014**, 81, 267-279	13.9	479
162	Neural encoding in orbitofrontal cortex and basolateral amygdala during olfactory discrimination learning. *Journal of Neuroscience*, **1999**, 19, 1876-84	6.6	474
161	Dopamine neurons encode the better option in rats deciding between differently delayed or sized rewards. *Nature Neuroscience*, **2007**, 10, 1615-24	25.5	463
160	A new perspective on the role of the orbitofrontal cortex in adaptive behaviour. *Nature Reviews Neuroscience*, **2009**, 10, 885-92	13.5	420
159	Orbitofrontal cortex, decision-making and drug addiction. *Trends in Neurosciences*, **2006**, 29, 116-24	13.3	389
158	Encoding predicted outcome and acquired value in orbitofrontal cortex during cue sampling depends upon input from basolateral amygdala. *Neuron*, **2003**, 39, 855-67	13.9	383
157	Different roles for orbitofrontal cortex and basolateral amygdala in a reinforcer devaluation task. *Journal of Neuroscience*, **2003**, 23, 11078-84	6.6	379
156	Orbitofrontal cortex, associative learning, and expectancies. *Neuron*, **2005**, 47, 633-6	13.9	363
155	What the orbitofrontal cortex does not do. *Nature Neuroscience*, **2015**, 18, 620-7	25.5	307
154	Double dissociation of the effects of medial and orbital prefrontal cortical lesions on attentional and affective shifts in mice. *Journal of Neuroscience*, **2008**, 28, 11124-30	6.6	285
153	Orbitofrontal lesions in rats impair reversal but not acquisition of go, no-go odor discriminations. *NeuroReport*, **2002**, 13, 885-90	1.7	266
152	Dialogues on prediction errors. *Trends in Cognitive Sciences*, **2008**, 12, 265-72	14	253
151	Orbitofrontal cortex supports behavior and learning using inferred but not cached values. *Science*, **2012**, 338, 953-6	33.3	235
150	Differential roles of human striatum and amygdala in associative learning. *Nature Neuroscience*, **2011**, 14, 1250-2	25.5	234
149	The role of orbitofrontal cortex in drug addiction: a review of preclinical studies. *Biological Psychiatry*, **2008**, 63, 256-62	7.9	234

148	Encoding of time-discounted rewards in orbitofrontal cortex is independent of value representation. *Neuron*, **2006**, 51, 509-20	13.9	234
147	Lesions of orbitofrontal cortex and basolateral amygdala complex disrupt acquisition of odor-guided discriminations and reversals. *Learning and Memory*, **2003**, 10, 129-40	2.8	233
146	The orbitofrontal cortex and ventral tegmental area are necessary for learning from unexpected outcomes. *Neuron*, **2009**, 62, 269-80	13.9	214
145	Expectancy-related changes in firing of dopamine neurons depend on orbitofrontal cortex. *Nature Neuroscience*, **2011**, 14, 1590-7	25.5	193
144	What we know and do not know about the functions of the orbitofrontal cortex after 20 years of cross-species studies. *Journal of Neuroscience*, **2007**, 27, 8166-9	6.6	190
143	Neural encoding in ventral striatum during olfactory discrimination learning. *Neuron*, **2003**, 38, 625-36	13.9	183
142	Changes in functional connectivity in orbitofrontal cortex and basolateral amygdala during learning and reversal training. *Journal of Neuroscience*, **2000**, 20, 5179-89	6.6	183
141	Rapid associative encoding in basolateral amygdala depends on connections with orbitofrontal cortex. *Neuron*, **2005**, 46, 321-31	13.9	179
140	Does the orbitofrontal cortex signal value?. *Annals of the New York Academy of Sciences*, **2011**, 1239, 87-99	6.5	172
139	Ventral striatum and orbitofrontal cortex are both required for model-based, but not model-free, reinforcement learning. *Journal of Neuroscience*, **2011**, 31, 2700-5	6.6	171
138	Basolateral amygdala lesions abolish orbitofrontal-dependent reversal impairments. *Neuron*, **2007**, 54, 51-8	13.9	161
137	Cocaine-experienced rats exhibit learning deficits in a task sensitive to orbitofrontal cortex lesions. *European Journal of Neuroscience*, **2004**, 19, 1997-2002	3.5	161
136	Over the river, through the woods: cognitive maps in the hippocampus and orbitofrontal cortex. *Nature Reviews Neuroscience*, **2016**, 17, 513-23	13.5	158
135	Cocaine makes actions insensitive to outcomes but not extinction: implications for altered orbitofrontal-amygdalar function. *Cerebral Cortex*, **2005**, 15, 1162-9	5.1	153
134	The impact of orbitofrontal dysfunction on cocaine addiction. *Nature Neuroscience*, **2012**, 15, 358-66	25.5	152
133	Ventral striatal neurons encode the value of the chosen action in rats deciding between differently delayed or sized rewards. *Journal of Neuroscience*, **2009**, 29, 13365-76	6.6	146
132	Dopamine transients are sufficient and necessary for acquisition of model-based associations. *Nature Neuroscience*, **2017**, 20, 735-742	25.5	132
131	Previous cocaine exposure makes rats hypersensitive to both delay and reward magnitude. *Journal of Neuroscience*, **2007**, 27, 245-50	6.6	132

130	Neural correlates of variations in event processing during learning in basolateral amygdala. *Journal of Neuroscience*, **2010**, 30, 2464-71	6.6	125
129	The role of the orbitofrontal cortex in the pursuit of happiness and more specific rewards. *Nature*, **2008**, 454, 340-4	50.4	125
128	More is less: a disinhibited prefrontal cortex impairs cognitive flexibility. *Journal of Neuroscience*, **2010**, 30, 17102-10	6.6	124
127	Brief optogenetic inhibition of dopamine neurons mimics endogenous negative reward prediction errors. *Nature Neuroscience*, **2016**, 19, 111-6	25.5	120
126	Neural substrates of cognitive inflexibility after chronic cocaine exposure. *Neuropharmacology*, **2009**, 56 Suppl 1, 63-72	5.5	118
125	Lesions of nucleus accumbens disrupt learning about aversive outcomes. *Journal of Neuroscience*, **2003**, 23, 9833-41	6.6	118
124	Surprise! Neural correlates of Pearce-Hall and Rescorla-Wagner coexist within the brain. *European Journal of Neuroscience*, **2012**, 35, 1190-200	3.5	115
123	Withdrawal from cocaine self-administration produces long-lasting deficits in orbitofrontal-dependent reversal learning in rats. *Learning and Memory*, **2007**, 14, 325-8	2.8	110
122	A systems approach to orbitofrontal cortex function: recordings in rat orbitofrontal cortex reveal interactions with different learning systems. *Behavioural Brain Research*, **2003**, 146, 19-29	3.4	105
121	Teaching old rats new tricks: age-related impairments in olfactory reversal learning. *Neurobiology of Aging*, **2002**, 23, 555-64	5.6	105
120	Reconciling the roles of orbitofrontal cortex in reversal learning and the encoding of outcome expectancies. *Annals of the New York Academy of Sciences*, **2007**, 1121, 320-35	6.5	104
119	How do you (estimate you will) like them apples? Integration as a defining trait of orbitofrontal function. *Current Opinion in Neurobiology*, **2010**, 20, 205-11	7.6	100
118	Effect of the Novel Positive Allosteric Modulator of Metabotropic Glutamate Receptor 2 AZD8529 on Incubation of Methamphetamine Craving After Prolonged Voluntary Abstinence in a Rat Model. *Biological Psychiatry*, **2015**, 78, 463-73	7.9	98
117	Dopamine Neurons Respond to Errors in the Prediction of Sensory Features of Expected Rewards. *Neuron*, **2017**, 95, 1395-1405.e3	13.9	94
116	Encoding changes in orbitofrontal cortex in reversal-impaired aged rats. *Journal of Neurophysiology*, **2006**, 95, 1509-17	3.2	92
115	Neural correlates of stimulus-response and response-outcome associations in dorsolateral versus dorsomedial striatum. *Frontiers in Integrative Neuroscience*, **2010**, 4, 12	3.2	79
114	Midbrain dopamine neurons compute inferred and cached value prediction errors in a common framework. *ELife*, **2016**, 5,	8.9	77
113	Model-based predictions for dopamine. *Current Opinion in Neurobiology*, **2018**, 49, 1-7	7.6	70

112	Abnormal associative encoding in orbitofrontal neurons in cocaine-experienced rats during decision-making. *European Journal of Neuroscience*, **2006**, 24, 2643-53	3.5	68
111	Temporal Specificity of Reward Prediction Errors Signaled by Putative Dopamine Neurons in Rat VTA Depends on Ventral Striatum. *Neuron*, **2016**, 91, 182-93	13.9	66
110	Orbitofrontal neurons infer the value and identity of predicted outcomes. *Nature Communications*, **2014**, 5, 3926	17.4	66
109	Lateral Hypothalamic GABAergic Neurons Encode Reward Predictions that Are Relayed to the Ventral Tegmental Area to Regulate Learning. *Current Biology*, **2017**, 27, 2089-2100.e5	6.3	65
108	Model-based learning and the contribution of the orbitofrontal cortex to the model-free world. *European Journal of Neuroscience*, **2012**, 35, 991-6	3.5	63
107	Neural estimates of imagined outcomes in the orbitofrontal cortex drive behavior and learning. *Neuron*, **2013**, 80, 507-18	13.9	61
106	Risk-responsive orbitofrontal neurons track acquired salience. *Neuron*, **2013**, 77, 251-8	13.9	56
105	All that glitters ... dissociating attention and outcome expectancy from prediction errors signals. *Journal of Neurophysiology*, **2010**, 104, 587-95	3.2	56
104	Cocaine exposure shifts the balance of associative encoding from ventral to dorsolateral striatum. *Frontiers in Integrative Neuroscience*, **2007**, 1, 11	3.2	56
103	Rethinking dopamine as generalized prediction error. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	56
102	Optogenetic inhibition of dorsal medial prefrontal cortex attenuates stress-induced reinstatement of palatable food seeking in female rats. *Journal of Neuroscience*, **2013**, 33, 214-26	6.6	55
101	Functions of the amygdala and related forebrain areas in attention and cognition. *Annals of the New York Academy of Sciences*, **1999**, 877, 397-411	6.5	55
100	Orbitofrontal inactivation impairs reversal of Pavlovian learning by interfering with TdisinhibitionT of responding for previously unrewarded cues. *European Journal of Neuroscience*, **2009**, 30, 1941-6	3.5	53
99	Suppression of Ventral Hippocampal Output Impairs Integrated Orbitofrontal Encoding of Task Structure. *Neuron*, **2017**, 95, 1197-1207.e3	13.9	51
98	Neural correlates of variations in event processing during learning in central nucleus of amygdala. *Neuron*, **2010**, 68, 991-1001	13.9	51
97	Interneurons are necessary for coordinated activity during reversal learning in orbitofrontal cortex. *Biological Psychiatry*, **2015**, 77, 454-64	7.9	50
96	Orbitofrontal neurons acquire responses to TvaluelessTPavlovian cues during unblocking. *ELife*, **2014**, 3, e02653	8.9	50
95	Cocaine-induced decision-making deficits are mediated by miscoding in basolateral amygdala. *Nature Neuroscience*, **2007**, 10, 949-51	25.5	48

94	Orbitofrontal neurons signal sensory associations underlying model-based inference in a sensory preconditioning task. *ELife*, **2018**, 7,	8.9	48
93	Learning theory: a driving force in understanding orbitofrontal function. *Neurobiology of Learning and Memory*, **2014**, 108, 22-7	3.1	47
92	Cholinergic Interneurons Use Orbitofrontal Input to Track Beliefs about Current State. *Journal of Neuroscience*, **2016**, 36, 6242-57	6.6	46
91	Reward prediction error signaling in posterior dorsomedial striatum is action specific. *Journal of Neuroscience*, **2012**, 32, 10296-305	6.6	46
90	Lateral Orbitofrontal Inactivation Dissociates Devaluation-Sensitive Behavior and Economic Choice. *Neuron*, **2017**, 96, 1192-1203.e4	13.9	45
89	Orbitofrontal activation restores insight lost after cocaine use. *Nature Neuroscience*, **2014**, 17, 1092-9	25.5	45
88	Interactions between human orbitofrontal cortex and hippocampus support model-based inference. *PLoS Biology*, **2020**, 18, e3000578	9.7	44
87	An Integrated Model of Action Selection: Distinct Modes of Cortical Control of Striatal Decision Making. *Annual Review of Psychology*, **2019**, 70, 53-76	26.1	42
86	Back to basics: Making predictions in the orbitofrontal-amygdala circuit. *Neurobiology of Learning and Memory*, **2016**, 131, 201-6	3.1	40
85	The Dopamine Prediction Error: Contributions to Associative Models of Reward Learning. *Frontiers in Psychology*, **2017**, 8, 244	3.4	39
84	Should I stay or should I go? Transformation of time-discounted rewards in orbitofrontal cortex and associated brain circuits. *Annals of the New York Academy of Sciences*, **2007**, 1104, 21-34	6.5	39
83	Optogenetic Blockade of Dopamine Transients Prevents Learning Induced by Changes in Reward Features. *Current Biology*, **2017**, 27, 3480-3486.e3	6.3	38
82	Rat Orbitofrontal Ensemble Activity Contains Multiplexed but Dissociable Representations of Value and Task Structure in an Odor Sequence Task. *Current Biology*, **2019**, 29, 897-907.e3	6.3	34
81	Nucleus Accumbens Core and Shell are Necessary for Reinforcer Devaluation Effects on Pavlovian Conditioned Responding. *Frontiers in Integrative Neuroscience*, **2010**, 4, 126	3.2	34
80	Attention-related Pearce-Kaye-Hall signals in basolateral amygdala require the midbrain dopaminergic system. *Biological Psychiatry*, **2012**, 72, 1012-9	7.9	32
79	The dorsal raphe nucleus is integral to negative prediction errors in Pavlovian fear. *European Journal of Neuroscience*, **2014**, 40, 3096-101	3.5	29
78	Conditioned reinforcement can be mediated by either outcome-specific or general affective representations. *Frontiers in Integrative Neuroscience*, **2007**, 1, 2	3.2	29
77	Impaired reality testing in an animal model of schizophrenia. *Biological Psychiatry*, **2011**, 70, 1122-6	7.9	28

76	Prior cocaine exposure disrupts extinction of fear conditioning. *Learning and Memory*, **2006**, 13, 416-21	2.8	28
75	Willingness to wait and altered encoding of time-discounted reward in the orbitofrontal cortex with normal aging. *Journal of Neuroscience*, **2012**, 32, 5525-33	6.6	27
74	Targeted Stimulation of Human Orbitofrontal Networks Disrupts Outcome-Guided Behavior. *Current Biology*, **2020**, 30, 490-498.e4	6.3	26
73	Causal evidence supporting the proposal that dopamine transients function as temporal difference prediction errors. *Nature Neuroscience*, **2020**, 23, 176-178	25.5	25
72	Thinking Outside the Box: Orbitofrontal Cortex, Imagination, and How We Can Treat Addiction. *Neuropsychopharmacology*, **2016**, 41, 2966-2976	8.7	25
71	Lateral orbitofrontal neurons acquire responses to upshifted, downshifted, or blocked cues during unblocking. *ELife*, **2015**, 4, e11299	8.9	25
70	Dialogue on economic choice, learning theory, and neuronal representations. *Current Opinion in Behavioral Sciences*, **2015**, 5, 16-23	4	24
69	Toward a theoretical role for tonic norepinephrine in the orbitofrontal cortex in facilitating flexible learning. *Neuroscience*, **2017**, 345, 124-129	3.9	23
68	Orbitofrontal neurons signal reward predictions, not reward prediction errors. *Neurobiology of Learning and Memory*, **2018**, 153, 137-143	3.1	23
67	Preconditioned cues have no value. *ELife*, **2017**, 6,	8.9	23
66	Inactivation of the central but not the basolateral nucleus of the amygdala disrupts learning in response to overexpectation of reward. *Journal of Neuroscience*, **2010**, 30, 2911-7	6.6	22
65	Neural correlates of inflexible behavior in the orbitofrontal-amygdalar circuit after cocaine exposure. *Annals of the New York Academy of Sciences*, **2007**, 1121, 598-609	6.5	22
64	Medial orbitofrontal inactivation does not affect economic choice. *ELife*, **2018**, 7,	8.9	22
63	Dopamine transients do not act as model-free prediction errors during associative learning. *Nature Communications*, **2020**, 11, 106	17.4	22
62	Dopamine neuron ensembles signal the content of sensory prediction errors. *ELife*, **2019**, 8,	8.9	21
61	Ensembles in medial and lateral orbitofrontal cortex construct cognitive maps emphasizing different features of the behavioral landscape. *Behavioral Neuroscience*, **2017**, 131, 201-212	2.1	21
60	Complementary Task Structure Representations in Hippocampus and Orbitofrontal Cortex during an Odor Sequence Task. *Current Biology*, **2019**, 29, 3402-3409.e3	6.3	20
59	Brief, But Not Prolonged, Pauses in the Firing of Midbrain Dopamine Neurons Are Sufficient to Produce a Conditioned Inhibitor. *Journal of Neuroscience*, **2018**, 38, 8822-8830	6.6	20

58	Toward a model of impaired reality testing in rats. *Schizophrenia Bulletin*, **2009**, 35, 664-7	1.3	19
57	Effects of prior cocaine versus morphine or heroin self-administration on extinction learning driven by overexpectation versus omission of reward. *Biological Psychiatry*, **2015**, 77, 912-20	7.9	18
56	Neural Estimates of Imagined Outcomes in Basolateral Amygdala Depend on Orbitofrontal Cortex. *Journal of Neuroscience*, **2015**, 35, 16521-30	6.6	17
55	Evolving schema representations in orbitofrontal ensembles during learning. *Nature*, **2021**, 590, 606-611	50.4	17
54	Orbitofrontal lesions eliminate signalling of biological significance in cue-responsive ventral striatal neurons. *Nature Communications*, **2015**, 6, 7195	17.4	16
53	Effects of inference on dopaminergic prediction errors depend on orbitofrontal processing. *Behavioral Neuroscience*, **2017**, 131, 127-134	2.1	15
52	Medial Orbitofrontal Neurons Preferentially Signal Cues Predicting Changes in Reward during Unblocking. *Journal of Neuroscience*, **2016**, 36, 8416-24	6.6	15
51	Responding to preconditioned cues is devaluation sensitive and requires orbitofrontal cortex during cue-cue learning. *ELife*, **2020**, 9,	8.9	15
50	How did the chicken cross the road? With her striatal cholinergic interneurons, of course. *Neuron*, **2013**, 79, 3-6	13.9	14
49	Manipulating the revision of reward value during the intertrial interval increases sign tracking and dopamine release. *PLoS Biology*, **2018**, 16, e2004015	9.7	13
48	Sensory prediction errors in the human midbrain signal identity violations independent of perceptual distance. *ELife*, **2019**, 8,	8.9	12
47	The State of the Orbitofrontal Cortex. *Neuron*, **2015**, 88, 1075-1077	13.9	12
46	Disruption of model-based behavior and learning by cocaine self-administration in rats. *Psychopharmacology*, **2013**, 229, 493-501	4.7	12
45	Normal aging alters learning and attention-related teaching signals in basolateral amygdala. *Journal of Neuroscience*, **2012**, 32, 13137-44	6.6	11
44	Real-Time Value Integration during Economic Choice Is Regulated by Orbitofrontal Cortex. *Current Biology*, **2019**, 29, 4315-4322.e4	6.3	11
43	Evaluation of the hypothesis that phasic dopamine constitutes a cached-value signal. *Neurobiology of Learning and Memory*, **2018**, 153, 131-136	3.1	9
42	Normal Aging does Not Impair Orbitofrontal-Dependent Reinforcer Devaluation Effects. *Frontiers in Aging Neuroscience*, **2011**, 3, 4	5.3	9
41	The role of the nucleus accumbens in knowing when to respond. *Learning and Memory*, **2011**, 18, 85-7	2.8	9

40	Targeted Stimulation of an Orbitofrontal Network Disrupts Decisions Based on Inferred, Not Experienced Outcomes. *Journal of Neuroscience*, **2020**, 40, 8726-8733	6.6	9
39	Expectancy-Related Changes in Dopaminergic Error Signals Are Impaired by Cocaine Self-Administration. *Neuron*, **2019**, 101, 294-306.e3	13.9	9
38	Altered basolateral amygdala encoding in an animal model of schizophrenia. *Journal of Neuroscience*, **2015**, 35, 6394-400	6.6	8
37	Neural correlates of two different types of extinction learning in the amygdala central nucleus. *Nature Communications*, **2016**, 7, 12330	17.4	8
36	Past experience shapes the neural circuits recruited for future learning. *Nature Neuroscience*, **2021**, 24, 391-400	25.5	8
35	Affect, action, and ambiguity and the amygdala-orbitofrontal circuit. Focus on "combined unilateral lesions of the amygdala and orbital prefrontal cortex impair affective processing in rhesus monkeys". *Journal of Neurophysiology*, **2004**, 91, 1938-9	3.2	6
34	A novel method for detecting licking behavior during recording of electrophysiological signals from the brain. *Journal of Neuroscience Methods*, **2001**, 106, 139-46	3	6
33	Is the core function of orbitofrontal cortex to signal values or make predictions?. *Current Opinion in Behavioral Sciences*, **2021**, 41, 1-9	4	6
32	Processing in Lateral Orbitofrontal Cortex Is Required to Estimate Subjective Preference during Initial, but Not Established, Economic Choice. *Neuron*, **2020**, 108, 526-537.e4	13.9	5
31	The orbitofrontal cartographer. *Behavioral Neuroscience*, **2021**, 135, 267-276	2.1	5
30	Dopamine signals mimic reward prediction errors. *Nature Neuroscience*, **2013**, 16, 777-9	25.5	4
29	Contrasting Effects of Lithium Chloride and CB1 Receptor Blockade on Enduring Changes in the Valuation of Reward. *Frontiers in Behavioral Neuroscience*, **2011**, 5, 53	3.5	4
28	Cocaine-paired cues activate aversive representations in accumbens neurons. *Neuron*, **2008**, 57, 633	13.9	4
27	The orbitofrontal cortex is necessary for learning to ignore. *Current Biology*, **2021**, 31, 2652-2657.e3	6.3	4
26	Ventral striatal lesions disrupt dopamine neuron signaling of differences in cue value caused by changes in reward timing but not number. *Behavioral Neuroscience*, **2016**, 130, 593-9	2.1	4
25	The orbitofrontal cartographer		3
24	Devaluation-sensitive responding to preconditioned cues requires orbitofrontal cortex during initial cue-cue learning		3
23	Dopamine transients delivered in learning contexts do not act as model-free prediction errors		3

22	Thanks for the memories. *Learning and Memory*, **2005**, 12, 547-8	2.8	2
21	Replication efforts have limited epistemic value. *Nature*, **2021**, 599, 201	50.4	2
20	Rethinking dopamine as generalized prediction error		2
19	Rat orbitofrontal ensemble activity contains a multiplexed but value-invariant representation of task structure in an odor sequence task		2
18	Causal evidence supporting the proposal that dopamine transients function as a temporal difference prediction error		2
17	Cross-species studies on orbitofrontal control of inference-based behavior. *Behavioral Neuroscience* , **2021**, 135, 109-119	2.1	2
16	Leveraging Basic Science for the Clinic-From Bench to Bedside. *JAMA Psychiatry*, **2021**, 78, 331-334	14.5	2
15	Spatial Representations in Rat Orbitofrontal Cortex. *Journal of Neuroscience*, **2021**, 41, 6933-6945	6.6	2
14	Anterior cingulate neurons signal neutral cue pairings during sensory preconditioning.. *Current Biology*, **2021**,	6.3	1
13	Targeted stimulation of an orbitofrontal network disrupts decisions based on inferred, not experienced outcomes		1
12	Prior Cocaine Use Alters the Normal Evolution of Information Coding in Striatal Ensembles during Value-Guided Decision-Making. *Journal of Neuroscience*, **2021**, 41, 342-353	6.6	1
11	Orbitofrontal State Representations Are Related to Choice Adaptations and Reward Predictions. *Journal of Neuroscience*, **2021**, 41, 1941-1951	6.6	1
10	The magical orbitofrontal cortex. *Behavioral Neuroscience*, **2021**, 135, 108	2.1	0
9	Orbitofrontal cortex and learning predictions of state transitions. *Behavioral Neuroscience*, **2021**, 135, 487-497	2.1	0
8	Prospective representations in rat orbitofrontal ensembles. *Behavioral Neuroscience*, **2021**, 135, 518-527	2.1	0
7	Rat mPFC and M2 Play a Waiting Game (at Different Timescales). *Neuron*, **2017**, 94, 700-702	13.9	
6	Neuroscience: From Sensory Discrimination to Choice in Gustatory Cortex. *Current Biology*, **2020**, 30, R444-R446	6.3	
5	E pluribus unum? A new take on addiction by Redish et al.. *Behavioral and Brain Sciences*, **2008**, 31, 459-459	5.9	

4	Paying attention. Focus on "State-dependent modulation of time-varying gustatory responses". *Journal of Neurophysiology*, **2006**, 96, 2844	3.2
3	Neuroscience: What, where, and how wonderful?. *Current Biology*, **2021**, 31, R896-R898	6.3
2	Does the Dopaminergic Error Signal Act Like a Cached-Value Prediction Error? **2018**, 243-258	
1	Minimal cross-trial generalization in learning the representation of an odor-guided choice task.. *PLoS Computational Biology*, **2022**, 18, e1009897	5