Neuronal Reward and Decision Signals: From Theories

Physiological Reviews 95, 853-951 DOI: 10.1152/physrev.00023.2014

Citation Report

#	Article	IF	CITATIONS
1	Experimental Medicine in Psychiatry New Approaches in Schizophrenia, Depression and Cognition. Current Topics in Behavioral Neurosciences, 2015, 28, 475-497.	0.8	2
2	Integrated dopaminergic neuronal model with reduced intracellular processes and inhibitory autoreceptors. IET Systems Biology, 2015, 9, 245-258.	0.8	14
3	Reward breaks through centerâ€surround inhibition via anterior insula. Human Brain Mapping, 2015, 36, 5233-5251.	1.9	33
4	Bridging social evolution theory and emerging empirical approaches to social behavior. Current Opinion in Behavioral Sciences, 2015, 6, 59-64.	2.0	10
5	Solving obesity without addressing poverty: Fat chance. Journal of Hepatology, 2015, 63, 1523-1524.	1.8	12
6	Delayed recall memory impairment in patients with Parkinson's disease. Dementia E Neuropsychologia, 2016, 10, 204-209.	0.3	2
7	A Noisy Carbohydrate Addiction. Journal of Korean Diabetes, 2016, 17, 147.	0.1	0
8	Striatal and Tegmental Neurons Code Critical Signals for Temporal-Difference Learning of State Value in Domestic Chicks. Frontiers in Neuroscience, 2016, 10, 476.	1.4	12
9	Cortical-Subcortical Interactions in Depression: From Animal Models to Human Psychopathology. Frontiers in Systems Neuroscience, 2016, 10, 20.	1.2	59
10	Hedonics Act in Unison with the Homeostatic System to Unconsciously Control Body Weight. Frontiers in Nutrition, 2016, 3, 6.	1.6	25
11	Role of DARPP-32 and ARPP-21 in the Emergence of Temporal Constraints on Striatal Calcium and Dopamine Integration. PLoS Computational Biology, 2016, 12, e1005080.	1.5	29
12	Risky Decisions in a Lottery Task Are Associated with an Increase of Cocaine Use. Frontiers in Psychology, 2016, 7, 640.	1.1	14
13	<i>COMT</i> Val ¹⁵⁸ Met genotype is associated with reward learning: a replication study and metaâ€analysis. Genes, Brain and Behavior, 2016, 15, 503-513.	1.1	60
14	The Causal Map and Moral Psychology. Philosophical Quarterly, 2016, , pqw048.	0.3	0
15	Hormones and Affect in Adolescent Decision Making. Advances in Motivation and Achievement: A Research Annual, 2016, , 259-281.	0.3	8
16	An evolutionary behaviorist perspective on orgasm. Socioaffective Neuroscience & Psychology, 2016, 6, 32130.	2.9	15
17	Dopamine signalling adaptations by prolonged high-fat feeding. Current Opinion in Behavioral Sciences, 2016, 9, 136-143.	2.0	27
18	Aversive Learning and Appetitive Motivation Toggle Feed-Forward Inhibition in the Drosophila Mushroom Body. Neuron, 2016, 90, 1086-1099.	3.8	171

#	Article	IF	CITATIONS
19	Using fMRI to study reward processing in humans: past, present, and future. Journal of Neurophysiology, 2016, 115, 1664-1678.	0.9	84
20	Fuel not fun: Reinterpreting attenuated brain responses to reward in obesity. Physiology and Behavior, 2016, 162, 37-45.	1.0	84
21	Effects of Theta Transcranial Alternating Current Stimulation Over the Frontal Cortex on Reversal Learning. Brain Stimulation, 2016, 9, 705-711.	0.7	46
22	Neuronal remapping and circuit persistence in economic decisions. Nature Neuroscience, 2016, 19, 855-861.	7.1	64
23	Sex, Drugs, and the Neurobiology of the Placebo Effect. Biological Psychiatry, 2016, 79, 788-789.	0.7	1
24	Distributed and Mixed Information in Monosynaptic Inputs to Dopamine Neurons. Neuron, 2016, 91, 1374-1389.	3.8	195
25	Neuromodulation methods for animal locomotion control. Biomedical Engineering Letters, 2016, 6, 134-147.	2.1	6
26	Basics of neuroanatomy and neurophysiology. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 138, 53-68.	1.0	10
27	Amygdala and Ventral Striatum Make Distinct Contributions to Reinforcement Learning. Neuron, 2016, 92, 505-517.	3.8	112
28	Voluntary adolescent drinking enhances excitation by low levels of alcohol in a subset of dopaminergic neurons in the ventral tegmental area. Neuropharmacology, 2016, 110, 386-395.	2.0	22
29	Possible Link Between Medical Students' Motivation for Academic Work and Time Engaged in Physical Exercise. Mind, Brain, and Education, 2016, 10, 264-271.	0.9	3
30	Circuit Analysis of a <i>Drosophila</i> Dopamine Type 2 Receptor That Supports Anesthesia-Resistant Memory. Journal of Neuroscience, 2016, 36, 7936-7945.	1.7	30
31	Conditioned odor aversion induces social anxiety towards females in wildâ€ŧype and <i><scp>TrpC2</scp></i> knockout male mice. Genes, Brain and Behavior, 2016, 15, 722-732.	1.1	27
32	Neural Basis for Economic Saving Strategies in Human Amygdala-Prefrontal Reward Circuits. Current Biology, 2016, 26, 3004-3013.	1.8	25
33	Hans Eysenck's interface between the brain and personality: Modern evidence on the cognitive neuroscience of personality. Personality and Individual Differences, 2016, 103, 74-81.	1.6	21
34	Extensive Gray Matter Volume Reduction and Correlations with Neuropsychological Performance in Alcohol Use Disorder Patients. Journal of Microbiology and Biotechnology, 2016, 26, 355-363.	0.9	5
35	A dynamic code for economic object valuation in prefrontal cortex neurons. Nature Communications, 2016, 7, 12554.	5.8	63
36	Dynamic mesolimbic dopamine signaling during action sequence learning and expectation violation. Scientific Reports, 2016, 6, 20231.	1.6	80

#	Article	IF	CITATIONS
37	Safety out of control: dopamine and defence. Behavioral and Brain Functions, 2016, 12, 15.	1.4	43
38	Role of the Perigenual Anterior Cingulate and Orbitofrontal Cortex in Contingency Learning in the Marmoset. Cerebral Cortex, 2016, 26, 3273-3284.	1.6	43
39	Memory-reliant Post-error Slowing Is Associated with Successful Learning and Fronto-occipital Activity. Journal of Cognitive Neuroscience, 2016, 28, 1539-1552.	1.1	4
40	Cross-hemispheric dopamine projections have functional significance. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6985-6990.	3.3	55
41	NMDA Receptors on Dopaminoceptive Neurons Are Essential for Drug-Induced Conditioned Place Preference. ENeuro, 2016, 3, ENEURO.0084-15.2016.	0.9	24
42	Flexible modulation of risk attitude during decision-making under quota. NeuroImage, 2016, 139, 304-312.	2.1	8
43	Negative Allosteric Modulators of Metabotropic Glutamate Receptors Subtype 5 in Addiction: a Therapeutic Window. International Journal of Neuropsychopharmacology, 2016, 19, pyw002.	1.0	48
44	Norepinephrine at the nexus of arousal, motivation and relapse. Brain Research, 2016, 1641, 207-216.	1.1	52
45	Dopaminergic impact on local and global cortical circuit processing during learning. Behavioural Brain Research, 2016, 299, 32-41.	1.2	16
46	Dopamine reward prediction-error signalling: a two-component response. Nature Reviews Neuroscience, 2016, 17, 183-195.	4.9	672
47	Reward functions of the basal ganglia. Journal of Neural Transmission, 2016, 123, 679-693.	1.4	160
48	Perfluorooctane sulfonate (PFOS) exposure could modify the dopaminergic system in several limbic brain regions. Toxicology Letters, 2016, 240, 226-235.	0.4	42
49	Serotonergic modulation of the activity of mesencephalic dopaminergic systems: Therapeutic implications. Progress in Neurobiology, 2017, 151, 175-236.	2.8	132
50	Loss of brain graph network efficiency in alcohol dependence. Addiction Biology, 2017, 22, 523-534.	1.4	55
51	Neurobiological basis of individual variation in stimulus-reward learning. Current Opinion in Behavioral Sciences, 2017, 13, 178-185.	2.0	138
52	Activation of ventral tegmental area dopamine neurons produces wakefulness through dopamine D2-like receptors in mice. Brain Structure and Function, 2017, 222, 2907-2915.	1.2	102
53	Association of Elevated Reward Prediction Error Response With Weight Gain in Adolescent Anorexia Nervosa. American Journal of Psychiatry, 2017, 174, 557-565.	4.0	77
54	Neuronal Risk Processing in Human and Monkey Prefrontal Cortex. , 2017, , 103-131.		1

D

#	Article	IF	CITATIONS
55	The phasic dopamine signal maturing: from reward via behavioural activation to formal economic utility. Current Opinion in Neurobiology, 2017, 43, 139-148.	2.0	130
56	Back to the inverted-U for music preference: A review of the literature. Psychology of Music, 2017, 45, 886-909.	0.9	107
57	Mood congruent tuning of reward expectation in positive mood: evidence from FRN and theta modulations. Social Cognitive and Affective Neuroscience, 2017, 12, 765-774.	1.5	38
58	Crossâ€species studies of cognition relevant to drug discovery: a translational approach. British Journal of Pharmacology, 2017, 174, 3191-3199.	2.7	84
59	Some properties of an adjusting-magnitude schedule of reinforcement: Implications for models of choice. Behavioural Processes, 2017, 140, 19-32.	0.5	7
60	Detecting joint pausiness in parallel spike trains. Journal of Neuroscience Methods, 2017, 285, 69-81.	1.3	3
61	Neural substrates and social consequences of interpersonal gratitude: Intention matters Emotion, 2017, 17, 589-601.	1.5	37
62	The control of sleep and wakefulness by mesolimbic dopamine systems. Neuroscience Research, 2017, 118, 66-73.	1.0	106
63	The "highs and lows―of the human brain on dopaminergics: Evidence from neuropharmacology. Neuroscience and Biobehavioral Reviews, 2017, 80, 351-371.	2.9	27
64	The missing, the short, and the long: Levodopa responses and dopamine actions. Annals of Neurology, 2017, 82, 4-19.	2.8	32
65	Optogenetics and the Dissection of Neural Circuits Underlying Depression and Substance-use Disorders. , 0, , 257-275.		0
66	Cortical neurons multiplex reward-related signals along with sensory and motor information. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4841-E4850.	3.3	55
67	Transcranial Direct Current Stimulation in Substance Use Disorders. Journal of ECT, 2017, 33, 203-209.	0.3	71
68	Ovarian hormones and obesity. Human Reproduction Update, 2017, 23, 300-321.	5.2	229
69	Pain has an element of blank—a biobehavioral approach to chronicity. Pain, 2017, 158, S92-S96.	2.0	18
70	Motivational neural circuits underlying reinforcement learning. Nature Neuroscience, 2017, 20, 505-512.	7.1	144
71	Association Between Interleukin-6 and Striatal Prediction-Error Signals Following Acute Stress in Healthy Female Participants. Biological Psychiatry, 2017, 82, 570-577.	0.7	58
72	Reward Processing, Neuroeconomics, and Psychopathology. Annual Review of Clinical Psychology, 2017, 13, 471-495.	6.3	109

#	ARTICLE	IF	CITATIONS
73	Toward a better understanding on the role of prediction error on memory processes: From bench to clinic. Neurobiology of Learning and Memory, 2017, 142, 13-20.	1.0	28
74	Modulatory Effects of Positive Mood on Cognition: Lessons From Attention and Error Monitoring. Current Directions in Psychological Science, 2017, 26, 495-501.	2.8	10
75	The dopaminergic reward system underpins gender differences in social preferences. Nature Human Behaviour, 2017, 1, 819-827.	6.2	91
76	What reward does a child prefer for behaving well at the dentist?. BDJ Open, 2017, 3, 17018.	0.8	4
77	Yummy or yucky? Ask your central amygdala. Nature Neuroscience, 2017, 20, 1321-1322.	7.1	6
78	Learning with three factors: modulating Hebbian plasticity with errors. Current Opinion in Neurobiology, 2017, 46, 170-177.	2.0	92
79	The Neural Basis of Aversive Pavlovian Guidance during Planning. Journal of Neuroscience, 2017, 37, 10215-10229.	1.7	15
80	Validation of the MESSi among adult workers and young students: General health and personality correlates. Chronobiology International, 2017, 34, 1288-1299.	0.9	44
81	Unbelievable: Neural Correlate of the Feedback Negativity in the Anterior Cingulate. Neuron, 2017, 95, 237-239.	3.8	5
82	Neuroscience: Rationality, uncertainty, dopamine. Nature Human Behaviour, 2017, 1, .	6.2	2
83	Neurocognitive Learning Therapy: Theory and Practice. , 2017, , .		17
84	The complete connectome of a learning and memory centre in an insect brain. Nature, 2017, 548, 175-182.	13.7	424
85	Reward Recognition in NCLT Practice. , 2017, , 55-67.		0
86	Orbitofrontal Cortex: A Neural Circuit for Economic Decisions. Neuron, 2017, 96, 736-754.	3.8	211
87	Computational Complexity and Human Decision-Making. Trends in Cognitive Sciences, 2017, 21, 917-929.	4.0	92
88	Behavioural Differences and Neural Substrates of Altruistic and Spiteful Punishment. Scientific Reports, 2017, 7, 14654.	1.6	25
89	Dopamine reward prediction error signal codes the temporal evaluation of a perceptual decision report. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10494-E10503.	3.3	29
90	Roles of dopamine neurons in mediating the prediction error in aversive learning in insects. Scientific Reports, 2017, 7, 14694.	1.6	17

-			_		
CIT		ON	DE	DO	DT
	AL		IVE	РU	IK I

#	Article	IF	CITATIONS
91	Common microbehavioral "footprint―of two distinct classes of conditioned aversion. Learning and Memory, 2017, 24, 191-198.	0.5	25
92	Distinct Roles for the Amygdala and Orbitofrontal Cortex in Representing the Relative Amount of Expected Reward. Neuron, 2017, 95, 70-77.e3.	3.8	68
93	Reward magnitude tracking by neural populations in ventral striatum. Neurolmage, 2017, 146, 1003-1015.	2.1	9
94	A feedback neural circuit for calibrating aversive memory strength. Nature Neuroscience, 2017, 20, 90-97.	7.1	95
95	Primary motor cortex contributes to the implementation of implicit value-based rules during motor decisions. Neurolmage, 2017, 146, 1115-1127.	2.1	29
96	Inflammation Effects on Motivation and Motor Activity: Role of Dopamine. Neuropsychopharmacology, 2017, 42, 216-241.	2.8	272
97	A dimensional approach to modeling symptoms of neuropsychiatric disorders in the marmoset monkey. Developmental Neurobiology, 2017, 77, 328-353.	1.5	48
98	Prior Cocaine Experience Impairs Normal Phasic Dopamine Signals of Reward Value in Accumbens Shell. Neuropsychopharmacology, 2017, 42, 766-773.	2.8	20
99	Acupuncture treatment modulates the corticostriatal reward circuitry in major depressive disorder. Journal of Psychiatric Research, 2017, 84, 18-26.	1.5	76
100	Pyramidal Cell Subtypes and Their Synaptic Connections in Layer 5 of Rat Frontal Cortex. Cerebral Cortex, 2017, 27, 5755-5771.	1.6	76
101	Reinforcement theory combined with a badge system to foster student's performance in e-learning environments. , 2017, , .		8
102	Amygdala and ventral striatum population codes implement multiple learning rates for reinforcement learning. , 2017, , .		10
103	Roles of Octopamine and Dopamine Neurons for Mediating Appetitive and Aversive Signals in Pavlovian Conditioning in Crickets. Frontiers in Physiology, 2017, 8, 1027.	1.3	35
104	Learning Where to Look for High Value Improves Decision Making Asymmetrically. Frontiers in Psychology, 2017, 8, 2000.	1.1	9
105	Food-Predicting Stimuli Differentially Influence Eye Movements and Goal-Directed Behavior in Normal-Weight, Overweight, and Obese Individuals. Frontiers in Psychiatry, 2017, 8, 230.	1.3	20
106	Electrophysiological Correlates of Reward Processing in Dopamine Neurons. , 2017, , 21-31.		6
107	Neural Circuit Mechanisms of Value-Based Decision-Making and Reinforcement Learning. , 2017, , 163-176.		3
108	Dopamine D1 Receptor Immunoreactivity on Fine Processes of GFAP-Positive Astrocytes in the Substantia Nigra Pars Reticulata of Adult Mouse. Frontiers in Neuroanatomy, 2017, 11, 3.	0.9	20

#	ARTICLE	IF	CITATIONS
109	Monetary, Food, and Social Rewards Induce Similar Pavlovian-to-Instrumental Transfer Effects. Frontiers in Behavioral Neuroscience, 2016, 10, 247.	1.0	39
110	Behavioral Modulation by Spontaneous Activity of Dopamine Neurons. Frontiers in Systems Neuroscience, 2017, 11, 88.	1.2	22
111	Localization, Diversity, and Behavioral Expression of Associative Engrams in Drosophila â~†. , 2017, , 463-473.		7
112	Multi-layer network utilizing rewarded spike time dependent plasticity to learn a foraging task. PLoS Computational Biology, 2017, 13, e1005705.	1.5	13
113	Distinct prediction errors in mesostriatal circuits of the human brain mediate learning about the values of both states and actions: evidence from high-resolution fMRI. PLoS Computational Biology, 2017, 13, e1005810.	1.5	16
114	Hijacking the Progress of Addiction: Looking at β-Arrestin 1 and β-Arrestin 2 to Cognize Drugs of Abuse. Journal of Psychiatry, 2017, 21, .	0.1	0
115	Social Decision-Making in Nonhuman Primates. , 2017, , 179-187.		0
116	Genes, emotions and gut microbiota: The next frontier for the gastroenterologist. World Journal of Gastroenterology, 2017, 23, 3030.	1.4	34
117	Defining the rehabilitation adherence curve and adherence phases of stroke patients: an observational study. Patient Preference and Adherence, 2017, Volume 11, 1435-1441.	0.8	18
118	Delayed Reinforcement: Neuroscienceâ~†. , 2017, , .		1
119	Neuromodulation of Attention. Neuron, 2018, 97, 769-785.	3.8	259
120	The biological and behavioral computations that influence dopamine responses. Current Opinion in Neurobiology, 2018, 49, 123-131.	2.0	4
121	Perspectives on two temperamental biases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170158.	1.8	7
122	Learning rules for aversive associative memory formation. Current Opinion in Neurobiology, 2018, 49, 148-157.	2.0	16
123	Rewarding images do not invoke the reward positivity: They inflate it. International Journal of Psychophysiology, 2018, 132, 226-235.	0.5	14
124	Reward history but not search history explains value-driven attentional capture. Attention, Perception, and Psychophysics, 2018, 80, 1436-1448.	0.7	13
126	Symmetry is its own reward: on the character and significance of Acheulean handaxe symmetry in the Middle Pleistocene. Antiquity, 2018, 92, 304-319.	0.5	26
127	Neuroendocrine Control of Carbohydrate Metabolism. Endocrinology, 2018, , 497-512.	0.1	0

#	Article	IF	CITATIONS
128	Neural encoding of choice during a delayed response task in primate striatum and orbitofrontal cortex. Experimental Brain Research, 2018, 236, 1679-1688.	0.7	16
129	Food additives, food and the concept of â€~food addiction': Is stimulation of the brain reward circuit by food sufficient to trigger addiction?. Pathophysiology, 2018, 25, 263-276.	1.0	57
130	Biogastronomy: Factors that determine the biological response to meal ingestion. Neurogastroenterology and Motility, 2018, 30, e13309.	1.6	10
131	Human Striatal Response to Reward Anticipation Linked to Hippocampal Glutamate Levels. International Journal of Neuropsychopharmacology, 2018, 21, 623-630.	1.0	13
132	Frontostriatal and Dopamine Markers of Individual Differences in Reinforcement Learning: A Multi-modal Investigation. Cerebral Cortex, 2018, 28, 4281-4290.	1.6	38
133	Associative versus predictive processes in Pavlovian conditioning. Behavioural Processes, 2018, 154, 21-26.	0.5	11
134	Linking dynamic patterns of neural activity in orbitofrontal cortex with decision making. Current Opinion in Neurobiology, 2018, 49, 24-32.	2.0	18
135	Multivariate factorizable expectile regression with application to fMRI data. Computational Statistics and Data Analysis, 2018, 121, 1-19.	0.7	6
136	Anxiety, Depression, and Decision Making: A Computational Perspective. Annual Review of Neuroscience, 2018, 41, 371-388.	5.0	124
137	Knowledge acquisition is governed by striatal prediction errors. Nature Communications, 2018, 9, 1673.	5.8	49
138	Improving Silent Reading Performance Through Feedback on Eye Movements: A Feasibility Study. Scientific Studies of Reading, 2018, 22, 289-307.	1.3	8
139	A Basal Ganglia Circuit Sufficient to Guide Birdsong Learning. Neuron, 2018, 98, 208-221.e5.	3.8	93
140	The High-Order and Conscious Emotion: Assessing the Foundations, Contributions, and Implications of LeDoux's Model of Conscious and Cognitive Emotion. Activitas Nervosa Superior, 2018, 60, 8-17.	0.4	1
141	Cooperative CRF and α1 Adrenergic Signaling in the VTA Promotes NMDA Plasticity and Drives Social Stress Enhancement of Cocaine Conditioning. Cell Reports, 2018, 22, 2756-2766.	2.9	27
142	Pleasure: The missing link in the regulation of sleep. Neuroscience and Biobehavioral Reviews, 2018, 88, 141-154.	2.9	6
143	Decision-Making and Self-Governing Systems. Neuroethics, 2018, 11, 245-257.	1.7	7
144	Fronto-striatal network activation leads to less fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 1174-1182.	1.4	38
145	Education of the postprandial experience by a sensoryâ€cognitive intervention. Neurogastroenterology and Motility, 2018, 30, e13197.	1.6	8

#	Article	IF	CITATIONS
146	Balancing New against Old Information: The Role of Puzzlement Surprise in Learning. Neural Computation, 2018, 30, 34-83.	1.3	56
147	The Effect of a Pseudo Winning or Losing Streak on Mental Attitudes and the Evaluation of Results. Psychological Reports, 2018, 121, 488-510.	0.9	1
148	A role for nucleus accumbens glutamate in the expression but not the induction of behavioural sensitization to ethanol. Behavioural Brain Research, 2018, 336, 269-281.	1.2	8
149	The alcoholic brain: neural bases of impaired reward-based decision-making in alcohol use disorders. Neurological Sciences, 2018, 39, 423-435.	0.9	51
150	Does it fit? – Impaired affordance perception after stroke. Neuropsychologia, 2018, 108, 92-102.	0.7	9
151	Computational Neuroscience: Mathematical and Statistical Perspectives. Annual Review of Statistics and Its Application, 2018, 5, 183-214.	4.1	48
152	The Effect of Head-to-Head Competition on Behavioural Thermoregulation, Thermophysiological Strain and Performance During Exercise in the Heat. Sports Medicine, 2018, 48, 1269-1279.	3.1	15
153	Learning to Cooperate: The Evolution of Social Rewards in Repeated Interactions. American Naturalist, 2018, 191, 58-73.	1.0	22
154	Motivations: Army Civilian Leadership Approach Antecedents. SSRN Electronic Journal, 2018, , .	0.4	0
155	The role of brain reward pathways in stress resilience and health. Neuroscience and Biobehavioral Reviews, 2018, 95, 559-567.	2.9	66
156	A central control circuit for encoding perceived food value. Science Advances, 2018, 4, eaau9180.	4.7	23
157	Comparing Effects of Reward Anticipation on Working Memory in Younger and Older Adults. Frontiers in Psychology, 2018, 9, 2318.	1.1	14
158	A Sociological/Psychological Model for Understanding Pornography and Adolescent Sexual Behavior. , 2018, , 439-461.		4
160	Concept. , 0, , 6-27.		0
161	Giant Cells in the Medullary Reticular Formation. , 0, , 28-38.		0
162	Pons. , 0, , 39-48.		Ο
163	Midbrain. , 0, , 49-57.		0
164	Hypothalamus: Low Road. , 0, , 58-67.		0

#	Article	IF	CITATIONS
165	Thalamus: High Road. , 0, , 68-79.		0
166	High Arousal. , 0, , 80-93.		0
167	Phase Transitions from Low GA States. , 0, , 94-106.		0
168	Roots of Consciousness and Its Disorders. , 0, , 107-114.		0
169	A Vertically Integrated System. , 0, , 115-122.		0
172	Inactivation of Medial Frontal Cortex Changes Risk Preference. Current Biology, 2018, 28, 3114-3122.e4.	1.8	25
173	Memory enhancement by ferulic acid ester across species. Science Advances, 2018, 4, eaat6994.	4.7	23
174	Diminished positive affect and traumatic stress: A biobehavioral review and commentary on trauma affective neuroscience. Neurobiology of Stress, 2018, 9, 214-230.	1.9	27
175	Antidepressant and pro-motivational effects of repeated lamotrigine treatment in a rat model of depressive symptoms. Heliyon, 2018, 4, e00849.	1.4	0
176	Dopamine–endocannabinoid interactions mediate spike-timing-dependent potentiation in the striatum. Nature Communications, 2018, 9, 4118.	5.8	29
177	The timing of action determines reward prediction signals in identified midbrain dopamine neurons. Nature Neuroscience, 2018, 21, 1563-1573.	7.1	161
178	Neurocognitive Development of Motivated Behavior: Dynamic Changes across Childhood and Adolescence. Journal of Neuroscience, 2018, 38, 9433-9445.	1.7	57
179	On Curiosity: A Fundamental Aspect of Personality, a Practice of Network Growth. Personality Neuroscience, 2018, 1, e13.	1.3	17
180	Social reward monitoring and valuation in the macaque brain. Nature Neuroscience, 2018, 21, 1452-1462.	7.1	66
181	Application of a Prediction Error Theory to Pavlovian Conditioning in an Insect. Frontiers in Psychology, 2018, 9, 1272.	1.1	14
182	The Virtual Personalities Neural Network Model: Neurobiological Underpinnings. Personality Neuroscience, 2018, 1, .	1.3	53
183	Towards human-like artificial intelligence using StarCraft 2. , 2018, , .		0
184	A Neural Circuit for Gut-Induced Reward. Cell, 2018, 175, 665-678.e23.	13.5	436

		CITATION RE	PORT	
#	Article		IF	CITATIONS
185	Predictive regulation and human design. ELife, 2018, 7, .		2.8	14
186	Dorsal tegmental dopamine neurons gate associative learning of fear. Nature Neuroscie 952-962.	nce, 2018, 21,	7.1	96
187	A Fly's Eye View of Natural and Drug Reward. Frontiers in Physiology, 2018, 9, 407.		1.3	14
188	Behavioral Phenotyping of Dopamine Transporter Knockout Rats: Compulsive Traits, Mo Stereotypies, and Anhedonia. Frontiers in Psychiatry, 2018, 9, 43.	ptor	1.3	77
189	Impaired recruitment of dopamine neurons during working memory in mice with striata overexpression. Nature Communications, 2018, 9, 2822.	l D2 receptor	5.8	29
190	Emotional State and Motivation Interactions: Ultrasonic Vocalizations During Incentive Free Choice Paradigms. Handbook of Behavioral Neuroscience, 2018, 25, 267-277.	Contrast and	0.7	0
191	Melatonin Secretion during a Short Nap Fosters Subsequent Feedback Learning. Frontie Neuroscience, 2017, 11, 648.	ers in Human	1.0	6
192	Incentive motivation in pet dogs $\mathbf{\hat{a}} \in$ " preference for constant vs varied food rewards. Sc 2018, 8, 9756.	ientific Reports,	1.6	17
193	Endocannabinoids in Body Weight Control. Pharmaceuticals, 2018, 11, 55.		1.7	38
194	The many facets of dopamine: Toward an integrative theory of the role of dopamine in i body's energy resources. Physiology and Behavior, 2018, 195, 128-141.	managing the	1.0	26
195	First-Spike-Based Visual Categorization Using Reward-Modulated STDP. IEEE Transactio Networks and Learning Systems, 2018, 29, 6178-6190.	ns on Neural	7.2	113
196	Reinforcer effectiveness in dogs—The influence of quantity and quality. Applied Anima Science, 2018, 206, 87-93.	al Behaviour	0.8	24
197	Addiction and dopamine: sex differences and insights from studies of smoking. Current Behavioral Sciences, 2018, 23, 150-159.	Opinion in	2.0	10
198	Chance, long tails, and inference in a non-Gaussian, Bayesian theory of vocal learning in Proceedings of the National Academy of Sciences of the United States of America, 2018 E8538-E8546.	songbirds. 3, 115,	3.3	12
199	Social interaction recruits mentalizing and reward systems in middle childhood. Human Mapping, 2018, 39, 3928-3942.	Brain	1.9	41
200	The rostromedial tegmental nucleus is essential for non-rapid eye movement sleep. PLo 16, e2002909.	S Biology, 2018,	2.6	61
201	Neural activity in the reward-related brain regions predicts implicit self-esteem: A novel of psychological measures using neuroimaging Journal of Personality and Social Psychological 114, 343-357.	validity test ology, 2018,	2.6	33
202	Idiosyncratic representation of peripersonal space depends on the success of one's own actions, but also the successful actions of others!. PLoS ONE, 2018, 13, e0196874.	n motor	1.1	21

#	Article	IF	CITATIONS
203	Neural correlates of taste reward value across eating disorders. Psychiatry Research - Neuroimaging, 2019, 288, 76-84.	0.9	14
204	Neural reward processing in paediatric Tourette syndrome and/or attention-deficit/hyperactivity disorder. Psychiatry Research - Neuroimaging, 2019, 292, 13-22.	0.9	7
205	Ventral midbrain stimulation induces perceptual learning and cortical plasticity in primates. Nature Communications, 2019, 10, 3591.	5.8	20
206	Re-exploring Mechanisms of Exploration. Neuron, 2019, 103, 360-363.	3.8	Ο
207	Gating and the Need for Sleep: Dissociable Effects of Adenosine A1 and A2A Receptors. Frontiers in Neuroscience, 2019, 13, 740.	1.4	70
208	Fluoxetine adjunct to therapeutic exercise promotes motor recovery in rats with cerebral ischemia: Roles of nucleus accumbens. Brain Research Bulletin, 2019, 153, 1-7.	1.4	4
209	Acute Atomoxetine Selectively Modulates Encoding of Reward Value in Ventral Medial Prefrontal Cortex. Journal of Nippon Medical School, 2019, 86, 98-107.	0.3	7
210	Rewards interact with repetitionâ€dependent learning to enhance longâ€ŧerm retention of motor memories. Annals of the New York Academy of Sciences, 2019, 1452, 34-51.	1.8	5
211	In search of a definition of reinforcer value: Some successes and failures of the multiplicative hyperbolic model. Behavioural Processes, 2019, 167, 103884.	0.5	2
212	Weight Loss in Women Taking Flibanserin for Hypoactive Sexual Desire Disorder (HSDD): Insights Into Potential Mechanisms. Sexual Medicine Reviews, 2019, 7, 575-586.	1.5	3
213	Brain Cortical and Hippocampal Dopamine: A New Mechanistic Approach for <i> Eurycoma longifolia</i> Well-Known Aphrodisiac Activity and Its Chemical Characterization. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-13.	0.5	10
214	<p>Could the link between drug addiction in adulthood and substance use in adolescence result from a blurring of the boundaries between incentive and hedonic processes?</p> . Substance Abuse and Rehabilitation, 2019, Volume 10, 33-46.	1.6	2
215	Experiences of Discrimination and Sexual Behaviors: An Examination of Motives as Potential Psychological Mediators. International Journal of Sexual Health, 2019, 31, 115-130.	1.2	1
216	Basalganglien. Springer-Lehrbuch, 2019, , 608-616.	0.1	0
217	Neural Mechanisms for Accepting and Rejecting Artificial Social Partners in the Uncanny Valley. Journal of Neuroscience, 2019, 39, 6555-6570.	1.7	53
218	Learning from Action: Reconsidering Movement Signaling in Midbrain Dopamine Neuron Activity. Neuron, 2019, 104, 63-77.	3.8	97
219	Can Understanding Reward Help Illuminate Anhedonia?. Current Behavioral Neuroscience Reports, 2019, 6, 236-242.	0.6	5
220	Introducing the concept of neurobiological foundation of Rorschach responses using the example of Oral Dependent Language. Scandinavian Journal of Psychology, 2019, 60, 528-538.	0.8	9

#	Article	IF	CITATIONS
221	The neural basis of shared preference learning. Social Cognitive and Affective Neuroscience, 2019, 14, 1061-1072.	1.5	5
222	Orbitofrontal signals for two-component choice options comply with indifference curves of Revealed Preference Theory. Nature Communications, 2019, 10, 4885.	5.8	44
223	Where Does Value Come From?. Trends in Cognitive Sciences, 2019, 23, 836-850.	4.0	73
224	Increased Nucleus Accumbens Connectivity in Resting-State Patients With Drug-Naive, First-Episode Somatization Disorder. Frontiers in Psychiatry, 2019, 10, 585.	1.3	9
225	Comorbid HIV infection and alcohol use disorders: Converging glutamatergic and dopaminergic mechanisms underlying neurocognitive dysfunction. Brain Research, 2019, 1723, 146390.	1.1	6
226	Grab to eat! Eating motivation dynamics measured by effort exertion depend on hunger state. Food Quality and Preference, 2019, 78, 103741.	2.3	3
227	Neuromodulator Signaling Bidirectionally Controls Vesicle Numbers in Human Synapses. Cell, 2019, 179, 498-513.e22.	13.5	59
229	Physiological feelings. Neuroscience and Biobehavioral Reviews, 2019, 103, 267-304.	2.9	121
230	Bio-inspired digit recognition using reward-modulated spike-timing-dependent plasticity in deep convolutional networks. Pattern Recognition, 2019, 94, 87-95.	5.1	99
231	Seed Elaiosome Mediates Dispersal by Ants and Impacts Germination in Ricinus communis. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	7
232	Subcortical Substrates of Explore-Exploit Decisions in Primates. Neuron, 2019, 103, 533-545.e5.	3.8	87
233	Uncertainty and computational complexity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180138.	1.8	24
234	Beyond Motor Noise: Considering Other Causes of Impaired Reinforcement Learning in Cerebellar Patients. ENeuro, 2019, 6, ENEURO.0458-18.2019.	0.9	7
235	Neural Signatures of Prediction Errors in a Decision-Making Task Are Modulated by Action Execution Failures. Current Biology, 2019, 29, 1606-1613.e5.	1.8	15
236	Discriminative control of saccade latencies. Journal of Vision, 2019, 19, 16.	0.1	8
237	Dopamine blockade impairs the exploration-exploitation trade-off in rats. Scientific Reports, 2019, 9, 6770.	1.6	54
238	Affection substitution: The effect of pornography consumption on close relationships. Journal of Social and Personal Relationships, 2019, 36, 3887-3907.	1.4	18
239	Free Will Emerges From a Multistage Process of Target Assignment and Body-Scheme Recruitment for Free Effector Selection. Frontiers in Psychology, 2019, 10, 388.	1.1	1

#	ARTICLE	IF	CITATIONS
240	Corticocortical Systems Underlying High-Order Motor Control. Journal of Neuroscience, 2019, 39, 4404-4421.	1.7	44
241	Affordances and Attention. , 2019, , 759-782.		2
242	Partial Adaptation to the Value Range in the Macaque Orbitofrontal Cortex. Journal of Neuroscience, 2019, 39, 2279-18.	1.7	32
243	Optimization of Medial Forebrain Bundle Stimulation Parameters for Operant Conditioning of Rats. Stereotactic and Functional Neurosurgery, 2019, 97, 1-9.	0.8	10
244	Adaptation effects of medial forebrain bundle micro-electrical stimulation. Bioengineered, 2019, 10, 78-86.	1.4	7
245	Can't or Won't? Immunometabolic Constraints on Dopaminergic Drive. Trends in Cognitive Sciences, 2019, 23, 435-448.	4.0	88
246	Timing-dependent valence reversal: a principle of reinforcement processing and its possible implications. Current Opinion in Behavioral Sciences, 2019, 26, 114-120.	2.0	9
247	Mapping cortical surface features in treatment resistant schizophrenia with in vivo structural MRI. Psychiatry Research, 2019, 274, 335-344.	1.7	17
248	Neural Substrates of Drosophila Larval Anemotaxis. Current Biology, 2019, 29, 554-566.e4.	1.8	32
249	Drug-related Virtual Reality Cue Reactivity is Associated with Gamma Activity in Reward and Executive Control Circuit in Methamphetamine UseADisorders. Archives of Medical Research, 2019, 50, 509-517.	1.5	22
250	Auctionâ€based serious game for bug tracking. IET Software, 2019, 13, 386-392.	1.5	5
251	The Research on MOOC with Introduction of Game Feedback System. , 2019, , .		2
252	Optogenetic stimulation of the VTA modulates a frequency-specific gain of thalamocortical inputs in infragranular layers of the auditory cortex. Scientific Reports, 2019, 9, 20385.	1.6	13
253	The contribution of nonhuman primate research to the understanding of emotion and cognition and its clinical relevance. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26305-26312.	3.3	26
254	Economic Decisions through Circuit Inhibition. Current Biology, 2019, 29, 3814-3824.e5.	1.8	27
256	Identification of midbrain dopamine neurons using features from spontaneous spike activity patterns*. , 2019, 2019, 2990-2993.		0
257	What Is Rationality?. , 2019, , 25-38.		0
258	Rationality for Puppets. , 2019, , 39-90.		0

#	Article	IF	CITATIONS
259	Preference Biases. , 2019, , 91-118.		0
260	The Rationality of Beliefs. , 2019, , 119-189.		Ο
261	Deficient Foundations for Behavioral Policymaking. , 2019, , 190-234.		0
262	Knowledge Problems in Paternalist Policymaking. , 2019, , 235-308.		0
263	The Political Economy of Paternalist Policymaking. , 2019, , 309-348.		0
264	Slippery Slopes in Paternalist Policymaking. , 2019, , 349-397.		0
265	Common Threads, Escape Routes, and Paths Forward. , 2019, , 398-440.		0
268	Goal congruency dominates reward value in accounting for behavioral and neural correlates of value-based decision-making. Nature Communications, 2019, 10, 4926.	5.8	45
271	Development and Psychometric Testing of the Registered Nurses' Perceptions of Rewarding Scale. The Journal of Nursing Research: JNR, 2019, 27, e13.	0.7	3
272	A potential mechanistic role for neuroinflammation in reward processing impairments in autism spectrum disorder. Biological Psychology, 2019, 142, 1-12.	1.1	17
273	Inflammation and dimensions of reward processing following exposure to the influenza vaccine. Psychoneuroendocrinology, 2019, 102, 16-23.	1.3	31
274	Dissociating Reward- and Attention-driven Biasing of Global Feature-based Selection in Human Visual Cortex. Journal of Cognitive Neuroscience, 2019, 31, 469-481.	1.1	5
275	The role of dopamine in the brain - lessons learned from Parkinson's disease. Neurolmage, 2019, 190, 79-93.	2.1	123
276	Risk-taking bias in human decision-making is encoded via a right–left brain push–pull system. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1404-1413.	3.3	22
277	An overview of energy and metabolic regulation. Science China Life Sciences, 2019, 62, 771-790.	2.3	29
278	L-DOPA reduces model-free control of behavior by attenuating the transfer of value to action. NeuroImage, 2019, 186, 113-125.	2.1	50
279	Bridging the gap between striatal plasticity and learning. Current Opinion in Neurobiology, 2019, 54, 104-112.	2.0	52
280	Spatial functional principal component analysis with applications to brain image data. Journal of Multivariate Analysis, 2019, 170, 263-274.	0.5	9

#	Article	IF	CITATIONS
281	Stimulation of the subparafascicular thalamic nucleus modulates dopamine release in the inferior colliculus of rats. Synapse, 2019, 73, e22073.	0.6	11
282	Cognitive neuroscience can support public health approaches to minimise the harm of †losses disguised as wins' in multiline slot machines. European Journal of Neuroscience, 2019, 50, 2384-2391.	1.2	5
283	Sex differences in incentive motivation and the relationship to the development and maintenance of alcohol use disorders. Physiology and Behavior, 2019, 203, 91-99.	1.0	68
284	Impaired awareness of action-outcome contingency and causality during healthy ageing and following ventromedial prefrontal cortex lesions. Neuropsychologia, 2019, 128, 282-289.	0.7	32
285	Perception and Expressing Habits of Smiling and Angry Expressions Modulated by Facial Physical Attractiveness in Asian Female Persons. Japanese Psychological Research, 2019, 61, 12-24.	0.4	1
286	Difference in neural reactivity to taste stimuli and visual food stimuli in neural circuits of ingestive behavior. Brain Imaging and Behavior, 2020, 14, 1395-1405.	1.1	10
287	Addiction theory matters—Why there is no dependence on caffeine or antidepressant medication. Addiction Biology, 2020, 25, e12735.	1.4	30
288	Pleasure and Risk: A Qualitative Study of Sexual Behaviors Among Chinese Methamphetamine Users. Journal of Sex Research, 2020, 57, 119-128.	1.6	9
289	Cognition and Reward Circuits in Schizophrenia: Synergistic, Not Separate. Biological Psychiatry, 2020, 87, 204-214.	0.7	53
290	Control-theory models of body-weight regulation and body-weight-regulatory appetite. Appetite, 2020, 144, 104440.	1.8	21
291	Functional brain activity is globally elevated by dopamine D2 receptor knockdown in the ventral tegmental area. Brain Research, 2020, 1727, 146552.	1.1	5
292	Dissociable effects of reward magnitude on frontoâ€medial theta and FRN during performance monitoring. Psychophysiology, 2020, 57, e13481.	1.2	14
293	Frontal Beta Transcranial Alternating Current Stimulation Improves Reversal Learning. Cerebral Cortex, 2020, 30, 3286-3295.	1.6	20
294	Turning Touch into Perception. Neuron, 2020, 105, 16-33.	3.8	54
295	Amisulpride and <scp>l</scp> â€DOPA modulate subcortical brain nuclei connectivity in restingâ€state pharmacologic magnetic resonance imaging. Human Brain Mapping, 2020, 41, 1806-1818.	1.9	12
296	Number and time in acquisition, extinction and recovery. Journal of the Experimental Analysis of Behavior, 2020, 113, 15-36.	0.8	6
297	Electrical stimulation of the ventral tegmental area evokes sleepâ€like state transitions under urethane anaesthesia in the rat medial prefrontal cortex via dopamine D ₁ â€like receptors. European Journal of Neuroscience, 2020, 52, 2915-2930.	1.2	11
298	The effects of age on reward magnitude processing in the monetary incentive delay task. NeuroImage, 2020, 207, 116368.	2.1	49

#	Article	IF	CITATIONS
299	Dopaminergic and Prefrontal Basis of Learning from Sensory Confidence and Reward Value. Neuron, 2020, 105, 700-711.e6.	3.8	109
300	Reinforcement Learning Theory Reveals the Cognitive Requirements for Solving the Cleaner Fish Market Task. American Naturalist, 2020, 195, 664-677.	1.0	22
301	Social and non-social reward learning reduced and related to a familial vulnerability in schizophrenia spectrum disorders. Schizophrenia Research, 2020, 215, 256-262.	1.1	19
302	Different temporal dynamics of object-based attentional allocation for reward and non-reward objects. Journal of Vision, 2020, 20, 17.	0.1	2
303	A Theoretical Framework for How We Learn Aesthetic Values. Frontiers in Human Neuroscience, 2020, 14, 345.	1.0	12
304	Tracking the Influence of Predictive Cues on the Evaluation of Food Images: Volatility Enables Nudging. Frontiers in Psychology, 2020, 11, 569078.	1.1	2
305	Health news sharing is reflected in distributed reward-related brain activity. Social Cognitive and Affective Neuroscience, 2020, 15, 1111-1119.	1.5	5
306	Where Do We Stand in the Domestic Dog (Canis familiaris) Positive-Emotion Assessment: A State-of-the-Art Review and Future Directions. Frontiers in Psychology, 2020, 11, 2131.	1.1	13
307	The role of nitric oxide and neuronal nitric oxide synthase in zebrafish (Danio rerio) shoaling Aquaculture and Fisheries, 2020, , .	1.2	6
308	Rat Paraventricular Neurons Encode Predictive and Incentive Information of Reward Cues. Frontiers in Behavioral Neuroscience, 2020, 14, 565002.	1.0	5
309	Video-Sharing Apps Business Models: TikTok Case Study. International Journal of Innovation and Technology Management, 2020, 17, .	0.8	21
310	Can Operant Conditioning of EMG-Evoked Responses Help to Target Corticospinal Plasticity for Improving Motor Function in People With Multiple Sclerosis?. Frontiers in Neurology, 2020, 11, 552.	1.1	2
311	A Neural Pathway for Nonreinforced Preference Change. Trends in Cognitive Sciences, 2020, 24, 504-514.	4.0	19
312	Valence and State-Dependent Population Coding in Dopaminergic Neurons in the Fly Mushroom Body. Current Biology, 2020, 30, 2104-2115.e4.	1.8	50
313	Topographic distinction in long-term value signals between presumed dopamine neurons and presumed striatal projection neurons in behaving monkeys. Scientific Reports, 2020, 10, 8912.	1.6	9
314	Useful road maps: studying Drosophila larva's central nervous system with the help of connectomics. Current Opinion in Neurobiology, 2020, 65, 129-137.	2.0	34
315	Curiosity and the economics of attention. Current Opinion in Behavioral Sciences, 2020, 35, 135-140.	2.0	18
316	Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. PLoS Computational Biology, 2020, 16, e1008078.	1.5	17

#	ARTICLE	IF	CITATIONS
317	With Fast Generalization. Frontiers in Computational Neuroscience, 2020, 14, 66.	1.2	3
318	Selective Mesoaccumbal Pathway Inactivation Affects Motivation but Not Reinforcement-Based Learning in Macaques. Neuron, 2020, 108, 568-581.e6.	3.8	30
319	Values encoded in orbitofrontal cortex are causally related to economic choices. Nature, 2020, 588, 450-453.	13.7	85
320	Motivation, Effort, and the Neural Network Model. , 2020, , .		10
321	Effects of genetic variability of CYP2D6 on neural substrates of sustained attention during on-task activity. Translational Psychiatry, 2020, 10, 338.	2.4	10
322	Parallel model-based and model-free reinforcement learning for card sorting performance. Scientific Reports, 2020, 10, 15464.	1.6	14
323	Multidimensional processing in the amygdala. Nature Reviews Neuroscience, 2020, 21, 565-575.	4.9	84
324	A Multidimensional View on Social and Non-Social Rewards. Frontiers in Psychiatry, 2020, 11, 818.	1.3	20
325	Representation of the observer's predicted outcome value in mirror and nonmirror neurons of macaque F5 ventral premotor cortex. Journal of Neurophysiology, 2020, 124, 941-961.	0.9	3
326	A Computational Study of Executive Dysfunction in Amyotrophic Lateral Sclerosis. Journal of Clinical Medicine, 2020, 9, 2605.	1.0	6
327	Selecting and Executing Actions for Rewards. Journal of Neuroscience, 2020, 40, 6474-6476.	1.7	11
328	Movement errors during skilled motor performance engage distinct prediction error mechanisms. Communications Biology, 2020, 3, 763.	2.0	5
329	In vivo patch-clamp recordings reveal distinct subthreshold signatures and threshold dynamics of midbrain dopamine neurons. Nature Communications, 2020, 11, 6286.	5.8	26
330	α1-Adrenergic Receptors in Neurotransmission, Synaptic Plasticity, and Cognition. Frontiers in Pharmacology, 2020, 11, 581098.	1.6	55
331	Dopaminergic modulation of novelty repetition in Parkinson's disease: A study of P3 event-related brain potentials. Clinical Neurophysiology, 2020, 131, 2841-2850.	0.7	6
332	Cortical and subcortical response to the anticipation of reward in high and average/low risk-taking adolescents. Developmental Cognitive Neuroscience, 2020, 44, 100798.	1.9	13
333	Network organization during probabilistic learning via taste outcomes. Physiology and Behavior, 2020, 223, 112962.	1.0	6
334	The mycotoxin deoxynivalenol activates GABAergic neurons in the reward system and inhibits feeding and maternal behaviours. Archives of Toxicology, 2020, 94, 3297-3313.	1.9	6

		CITATION RE	PORT	
#	Article		IF	CITATIONS
335	Risk prediction error signaling: A two-component response?. NeuroImage, 2020, 214,	116766.	2.1	7
336	Seize the Day: How Online Retailers Should Respond to Positive Reviews. Journal of Int Marketing, 2020, 52, 52-60.	teractive	4.3	17
337	The effect of dopamine on the comprehension of spectrally-shifted noise-vocoded spectrally. International Journal of Audiology, 2020, 59, 674-681.	ech: a pilot	0.9	2
338	Morphine-element interactions – The influence of selected chemical elements on ne associated with addiction. Journal of Trace Elements in Medicine and Biology, 2020, 60	ural pathways), 126495.	1.5	11
339	Recurrent architecture for adaptive regulation of learning in the insect brain. Nature N 2020, 23, 544-555.	euroscience,	7.1	108
340	Subjective reward value of visual sexual stimuli is coded in human striatum and orbitof Behavioural Brain Research, 2020, 393, 112792.	rontal cortex.	1.2	13
341	The cortical oscillatory patterns associated with varying levels of reward during an effo vigilance task. Experimental Brain Research, 2020, 238, 1839-1859.	ortful	0.7	3
342	Identification of Dopaminergic Neurons That Can Both Establish Associative Memory a Terminate Its Behavioral Expression. Journal of Neuroscience, 2020, 40, 5990-6006.	ind Acutely	1.7	25
343	Resting-state functional connectivity of the anterior cingulate cortex in young adults of patients with and without suicidal behavior. Behavioural Brain Research, 2020, 384, 13	lepressed 12544.	1.2	19
344	Neural Mechanisms of Social and Nonsocial Reward Prediction Errors in Adolescents w Spectrum Disorder. Autism Research, 2020, 13, 715-728.	ith Autism	2.1	21
345	Molecular neurological correlates of endorphinergic/dopaminergic mechanisms in rewa linked to endorphinergic deficiency syndrome (EDS). Journal of the Neurological Science 116733.	ard circuitry ces, 2020, 411,	0.3	27
347	Mapping the interconnected neural systems underlying motivation and emotion: A key understanding the human affectome. Neuroscience and Biobehavioral Reviews, 2020,	y step toward 113, 204-226.	2.9	28
348	Modulatory effects of positive mood and approach motivation on reward processing: the same coin?. Cognitive, Affective and Behavioral Neuroscience, 2020, 20, 236-249.	Two sides of	1.0	7
349	Novel rewards occlude the reward positivity, and what to do about it. Biological Psychol 151, 107841.	ology, 2020,	1.1	9
350	The pheromone darcin drives a circuit for innate and reinforced behaviours. Nature, 20	20, 578, 137-141.	13.7	44
351	The acute effects of nicotine on corticostriatal responses to distinct phases of reward Neuropsychopharmacology, 2020, 45, 1207-1214.	processing.	2.8	11
352	Optimal spectral templates for triggered feedback experiments. PLoS ONE, 2020, 15,	e0228512.	1.1	0
353	Groupthink in Science. , 2020, , .			4

#	Article	IF	CITATIONS
354	An overview of addiction to sugar. , 2020, , 195-216.		6
355	Self-reorganization of neuronal activation patterns in the cortex under brain-machine interface and neural operant conditioning. Neuroscience Research, 2020, 156, 279-292.	1.0	7
356	Dopamine Signals Learn New Tricks. Neuron, 2020, 106, 11-13.	3.8	1
357	Signals of anticipation of reward and of mean reward rates in the human brain. Scientific Reports, 2020, 10, 4287.	1.6	6
358	Abrupt, Asynchronous Changes in Action Representations by Anterior Cingulate Cortex Neurons during Trial and Error Learning. Cerebral Cortex, 2020, 30, 4336-4345.	1.6	4
359	Neurobehavioural characterisation and stratification of reinforcement-related behaviour. Nature Human Behaviour, 2020, 4, 544-558.	6.2	15
360	Inhibitory Control and Preschoolers' Use of Irregular Past Tense Verbs. Journal of Child Language, 2021, 48, 480-498.	0.8	6
361	Caffeine Boosts Preparatory Attention for Reward-related Stimulus Information. Journal of Cognitive Neuroscience, 2021, 33, 104-118.	1.1	7
362	Effects of dopamine D1- and D2-like receptors in the CA1 region of the hippocampus on expression and extinction of morphine-induced conditioned place preference in rats. Behavioural Brain Research, 2021, 397, 112924.	1.2	10
363	Trial-by-trial dynamics of reward prediction error-associated signals during extinction learning and renewal. Progress in Neurobiology, 2021, 197, 101901.	2.8	18
364	Effect and mechanism of highâ€fat diet on the preference for sweeteners on mice. Journal of the Science of Food and Agriculture, 2021, 101, 1844-1853.	1.7	0
365	No effect of a dopaminergic modulation fMRI task by amisulpride and L-DOPA on reward anticipation in healthy volunteers. Psychopharmacology, 2021, 238, 1333-1342.	1.5	12
366	Testing the reinforcement learning hypothesis of social conformity. Human Brain Mapping, 2021, 42, 1328-1342.	1.9	15
367	Neuronal activity associated with cocaine preference: Effects of differential cocaine intake. Neuropharmacology, 2021, 184, 108441.	2.0	3
368	Live fast, die young and sleep later. Evolution, Medicine and Public Health, 2021, 9, 36-52.	1.1	1
369	Western Thinking at Its Best: Systems Theory and Psychology. , 2021, , 67-96.		0
370	Sex-Specific Functional Connectivity in the Reward Network Related to Distinct Gender Roles. Frontiers in Human Neuroscience, 2020, 14, 593787.	1.0	2
371	Neural mechanisms underlying the experience of musical pleasure. Advances in Psychological Science, 2021, 29, 123.	0.2	Ο

#	Article	IF	CITATIONS
373	Students' expectations and social media sharing in adopting augmented reality. International Journal of Information and Learning Technology, 2021, 38, 196-208.	1.5	4
374	Die acht Rollen Verantwortlichkeitsbereiche. , 2021, , 127-208.		0
375	A probabilistic atlas of the human ventral tegmental area (VTA) based on 7ÂTesla MRI data. Brain Structure and Function, 2021, 226, 1155-1167.	1.2	28
377	Divergent Whole Brain Projections from the Ventral Midbrain in Macaques. Cerebral Cortex, 2021, 31, 2913-2931.	1.6	25
378	Emotion Induced Monoamine Neuromodulator Release Affects Functional Neurological Disorders. Frontiers in Cell and Developmental Biology, 2021, 9, 633048.	1.8	9
379	Improved Appropriateness of Advanced Diagnostic Imaging After Implementation of Clinical Decision Support Mechanism. Journal of Digital Imaging, 2021, 34, 397-403.	1.6	6
381	Understanding the genetics and neurobiological pathways behind addiction (Review). Experimental and Therapeutic Medicine, 2021, 21, 544.	0.8	17
382	Rare rewards amplify dopamine responses. Nature Neuroscience, 2021, 24, 465-469.	7.1	15
383	Time elapsed between choices in a probabilistic task correlates with repeating the same decision. European Journal of Neuroscience, 2021, 53, 2639-2654.	1.2	2
386	Event-Related Potentials During Decision-Making in a Mixed-Strategy Game. Frontiers in Neuroscience, 2021, 15, 552750.	1.4	0
387	The Role of Dopamine in Associative Learning in Drosophila: An Updated Unified Model. Neuroscience Bulletin, 2021, 37, 831-852.	1.5	33
388	Multiscale Free Energy Analysis of Human Ecosystem Engineering. Entropy, 2021, 23, 396.	1.1	3
389	Personality differences in brain network mechanisms for placebo analgesia and nocebo hyperalgesia in experimental pain: a functional magnetic resonance imaging study. Annals of Translational Medicine, 2021, 9, 371-371.	0.7	3
390	The Benefit of Gratitude: Trait Gratitude Is Associated With Effective Economic Decision-Making in the Ultimatum Game. Frontiers in Psychology, 2021, 12, 590132.	1.1	3
391	Dopamine D2 receptors in the expression and extinction of contextual and cued conditioned fear in rats. Experimental Brain Research, 2021, 239, 1963-1974.	0.7	13
392	Setting the space for deliberation in decision-making. Cognitive Neurodynamics, 2021, 15, 743-755.	2.3	6
393	Reward signalling in brainstem nuclei under fluctuating blood glucose. PLoS ONE, 2021, 16, e0243899.	1.1	2
394	Motivation and reward mechanisms in health behavior change processes. Brain Research, 2021, 1757, 147309.	1.1	39

#	Article	IF	CITATIONS
395	Loneliness-based impaired reward system pathway: Theoretical and clinical analysis and application. Psychiatry Research, 2021, 298, 113800.	1.7	7
396	Assessment of the abuse potential of methamnetamine in rodents: a behavioral pharmacology study. Psychopharmacology, 2021, 238, 2155-2165.	1.5	1
397	Behavioral and neurobiological mechanisms of pavlovian and instrumental extinction learning. Physiological Reviews, 2021, 101, 611-681.	13.1	163
398	Frozen algorithms: how the brain's wiring facilitates learning. Current Opinion in Neurobiology, 2021, 67, 207-214.	2.0	8
399	Acting with shared intentions: A systematic review on joint action coordination in Autism Spectrum Disorder. Brain and Cognition, 2021, 149, 105693.	0.8	15
400	Epigenetic Landscape of Methamphetamine Use Disorder. Current Neuropharmacology, 2021, 19, 2060-2066.	1.4	7
401	Stochasticity, Nonlinear Value Functions, and Update Rules in Learning Aesthetic Biases. Frontiers in Human Neuroscience, 2021, 15, 639081.	1.0	3
402	Value, drug addiction and the brain. Addictive Behaviors, 2021, 116, 106816.	1.7	8
403	Predictive Intelligence for Learning and Optimization. , 2021, , 162-188.		0
405	Learning with reinforcement prediction errors in a model of the Drosophila mushroom body. Nature Communications, 2021, 12, 2569.	5.8	24
408	Decreased Nucleus Accumbens Connectivity at Rest in Medication-Free Patients with Obsessive-Compulsive Disorder. Neural Plasticity, 2021, 2021, 1-7.	1.0	5
409	New roles for dopamine in motor skill acquisition: lessons from primates, rodents, and songbirds. Journal of Neurophysiology, 2021, 125, 2361-2374.	0.9	17
410	A theoretical approach to neuroscience technologies' contributions to administration in the digital transformation context. Cuadernos De Administracion, 2021, 37, e4010691.	0.2	1
411	Decision-making: from neuroscience to neuroeconomics—an overview. Theory and Decision, 2021, 91, 1-80.	0.5	8
412	What Is Learned in Pavlovian Conditioning in Crickets? Revisiting the S-S and S-R Learning Theories. Frontiers in Behavioral Neuroscience, 2021, 15, 661225.	1.0	9
413	Associative learning in larval and adult <i>Drosophila</i> is impaired by the dopamine-synthesis inhibitor 3-lodo-L-tyrosine. Biology Open, 2021, 10, .	0.6	6
416	Intrinsic reward: potential cognitive and neural mechanisms. Current Opinion in Behavioral Sciences, 2021, 39, 113-118.	2.0	20
417	Acting in Temporal Contexts: On the Behavioral and Neurophysiological Consequences of Feedback Delays. Neuroscience, 2022, 486, 91-102.	1.1	2

#	Article	IF	CITATIONS
418	The Predictive Utility of Reward-Based Motives Underlying Excessive and Problematic Social Networking Site Use. Psychological Reports, 2022, 125, 2485-2516.	0.9	16
419	Preferences for nutrients and sensory food qualities identify biological sources of economic values in monkeys. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
420	Dopamine and glutamate receptors control social stress-induced striatal ERK1/2 activation. Neuropharmacology, 2021, 190, 108534.	2.0	3
421	Ageing is associated with disrupted reinforcement learning whilst learning to help others is preserved. Nature Communications, 2021, 12, 4440.	5.8	24
422	Chronic Augmentation of Endocannabinoid Levels Persistently Increases Dopaminergic Encoding of Reward Cost and Motivation. Journal of Neuroscience, 2021, 41, 6946-6953.	1.7	6
423	Reward boosts reinforcement-based motor learning. IScience, 2021, 24, 102821.	1.9	23
424	Integrated information theory does not make plant consciousness more convincing. Biochemical and Biophysical Research Communications, 2021, 564, 166-169.	1.0	7
425	Food reward derives from nutrient content and sensory qualities. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2109735118.	3.3	2
426	Mapping Disease Course Across the Mood Disorder Spectrum Through a Research Domain Criteria Framework. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 706-715.	1.1	10
427	Mapping reward mechanisms by intracerebral selfâ€stimulation in the rhesus monkey (<scp><i>Macaca) Tj ETQqI</i></scp>	L 1 0.7843 0.9	314 rgBT /O
429	Why imaginary worlds? The psychological foundations and cultural evolution of fictions with imaginary worlds. Behavioral and Brain Sciences, 2022, 45, 1-52.	0.4	21
430	Care for Joy: Evaluation of a Humor Intervention and Its Effects on Stress, Flow Experience, Work Enjoyment, and Meaningfulness of Work. Frontiers in Public Health, 2021, 9, 667821.	1.3	19
431	The effects of positive or negative self-talk on the alteration of brain functional connectivity by performing cognitive tasks. Scientific Reports, 2021, 11, 14873.	1.6	4
432	Reward-specific satiety affects subjective value signals in orbitofrontal cortex during multicomponent economic choice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
433	Secondary rewards acquire enhanced incentive motivation via increasing anticipatory activity of the lateral orbitofrontal cortex. Brain Structure and Function, 2021, 226, 2339-2355.	1.2	8
434	Being moved by listening to unfamiliar sad music induces rewardâ€related hormonal changes in empathic listeners. Annals of the New York Academy of Sciences, 2021, 1502, 121-131.	1.8	11
435	Sex Differences in the Blood Oxygen Level-Dependent Signal to Placebo Analgesia and Nocebo Hyperalgesia in Experimental Pain: A Functional MRI Study. Frontiers in Behavioral Neuroscience, 2021, 15, 657517.	1.0	1
436	A neurobehavioral account of differential consumer responses to price and in-store display between un/healthy food. European Journal of Marketing, 2021, 55, 2988-3009.	1.7	4

ARTICLE IF CITATIONS # The SEEKING Drive and Its Fixation: A Neuro-Psycho-Evolutionary Approach to the Pathology of 437 1.0 9 Addiction. Frontiers in Human Neuroscience, 2021, 15, 635932. Aberrant orbitofrontal cortex reactivity to erotic cues in Compulsive Sexual Behavior Disorder. 1.9 Journal of Behavioral Addictions, 2021, 10, 646-656. Editorial: Bottom-Up and Top-Down: Molecules and Circuits That Underlie Chemosensory Behaviors. 439 0 1.8 Frontiers in Cellular Neuroscience, 2021, 15, 729791. Psychedelic Drugs and Atheism: Debunking the Myths. Religions, 2021, 12, 614. 440 0.3 The Comparison of the Effectiveness of Transcranial Direct Current Stimulation and Behavior 441 Activation Program on Craving and Physical Pain Symptoms in Opioid-Dependent Individuals. Research 0.0 1 on Addiction, 2021, 15, 277-298. Reinforcement learning links spontaneous cortical dopamine impulses to reward. Current Biology, 1.8 2021, 31, 4111-4119.e4. Dissociable contributions of phasic dopamine activity to reward and prediction. Cell Reports, 2021, 36, 443 2.9 15 109684. Emotional Intelligence, Identification, and Self-Awareness According to the Sphere Model of 444 Consciousness., 0,,. Brain Network to Placebo and Nocebo Responses in Acute Experimental Lower Back Pain: A 445 Multivariate Granger Causality Analysis of fMRI Data. Frontiers in Behavioral Neuroscience, 2021, 15, 1.0 8 696577. Inactivation mode of sodium channels defines the different maximal firing rates of conventional 446 1.5 versus atypical midbrain dopamine neurons. PLoS Computational Biology, 2021, 17, e1009371. Honeybee Cognition as a Tool for Scientific Engagement. Insects, 2021, 12, 842. 447 2 1.0 Memory and Reward-Based Learning: A Value-Directed Remembering Perspective. Annual Review of 448 36 Psychology, 2022, 73, 25-52. Acute affective responses to highâ€intensity interval exercise: Implications on the use of different 450 1.4 2 stimulusâ€recovery amplitudes. European Journal of Sport Science, 2022, 22, 1775-1785. The Aversion Function of the Limbic Dopaminergic Neurons and Their Roles in Functional 1.8 Neurological Disorders. Frontiers in Cell and Developmental Biology, 2021, 9, 713762. The asymmetric learning rates of murine exploratory behavior in sparse reward environments. Neural 453 3.3 12 Networks, 2021, 143, 218-229. Measurement of Risk Taking From Developmental, Economic, and Neuroscience Perspectives., 2022,, 454 355-363. Neuropeptide Y interaction with dopaminergic and serotonergic pathways: interlinked neurocircuits 455 modulating hedonic eating behaviours. Progress in Neuro-Psychopharmacology and Biological 2.517 Psychiatry, 2022, 113, 110449. Neuroscience of Moral Decision Making., 2022, , 481-495.

#	Article	IF	CITATIONS
457	Dopamine modulation of sensory processing and adaptive behavior in flies. Cell and Tissue Research, 2021, 383, 207-225.	1.5	21
458	Changes in Brain Dopamine Extracellular Concentration after Ethanol Administration; Rat Microdialysis Studies. Alcohol and Alcoholism, 2022, 57, 165-175.	0.9	9
459	Noradrenergic correlates of chronic cocaine craving: neuromelanin and functional brain imaging. Neuropsychopharmacology, 2021, 46, 851-859.	2.8	10
460	Shifting uncertainty intolerance: methylphenidate and attention-deficit hyperactivity disorder. Translational Psychiatry, 2021, 11, 12.	2.4	9
461	The History and Theory of Behavioral Inhibition. , 2018, , 1-15.		4
465	Balancing Between Goal-Directed and Habitual Responding Following Acute Stress. Experimental Psychology, 2020, 67, 99-111.	0.3	11
466	Ventral striatum lesions do not affect reinforcement learning with deterministic outcomes on slow time scales Behavioral Neuroscience, 2017, 131, 385-391.	0.6	4
467	Playful exposure: An integrative view on the contributions of exposure therapy to children with anxiety Journal of Psychotherapy Integration, 2017, 27, 495-507.	0.7	4
468	Contingency, contiguity, and causality in conditioning: Applying information theory and Weber's Law to the assignment of credit problem Psychological Review, 2019, 126, 761-773.	2.7	21
469	Time-scale-invariant information-theoretic contingencies in discrimination learning Journal of Experimental Psychology Animal Learning and Cognition, 2019, 45, 280-289.	0.3	9
470	Activation of D1 receptors affects human reactivity and flexibility to valued cues. Neuropsychopharmacology, 2020, 45, 780-785.	2.8	16
490	Directing Technology Addiction Research in Information Systems. Data Base for Advances in Information Systems, 2020, 51, 81-96.	1.1	17
491	Adaptive and non-adaptive models of depression: A comparison using register data on antidepressant medication during divorce. PLoS ONE, 2017, 12, e0179495.	1.1	9
492	Value-based decision making via sequential sampling with hierarchical competition and attentional modulation. PLoS ONE, 2017, 12, e0186822.	1.1	14
493	Computational Architecture of the Parieto-Frontal Network Underlying Cognitive-Motor Control in Monkeys. ENeuro, 2017, 4, ENEURO.0306-16.2017.	0.9	62
494	Selective Effects of the Loss of NMDA or mGluR5 Receptors in the Reward System on Adaptive Decision-Making. ENeuro, 2018, 5, ENEURO.0331-18.2018.	0.9	11
495	Motivated Cognition: Effects of Reward, Emotion, and Other Motivational Factors Across a Variety of Cognitive Domains. Collabra: Psychology, 2017, 3, .	0.9	24
496	Altered Plasma Levels of Glial Cell Line-Derived Neurotrophic Factor in Patients with Internet Gaming Disorder: A Case-Control, Pilot Study. Psychiatry Investigation, 2019, 16, 469-474.	0.7	4

#	Article	IF	CITATIONS
497	Reward and decision processes in the brains of humans and nonhuman primates. Dialogues in Clinical Neuroscience, 2016, 18, 45-53.	1.8	8
498	Personality Traits or Genetic Determinants—Which Strongly Influences E-Cigarette Users?. International Journal of Environmental Research and Public Health, 2020, 17, 365.	1.2	13
499	Dopamine and serotonin in fear extinction: some key questions to be addressed. AIMS Neuroscience, 2020, 7, 271-274.	1.0	2
500	Sequential selection of economic good and action in medial frontal cortex of macaques during value-based decisions. ELife, 2015, 4, .	2.8	43
501	Dopamine neurons projecting to the posterior striatum form an anatomically distinct subclass. ELife, 2015, 4, e10032.	2.8	245
502	Midbrain dopamine neurons signal aversion in a reward-context-dependent manner. ELife, 2016, 5, .	2.8	88
503	Intrinsic monitoring of learning success facilitates memory encoding via the activation of the SN/VTA-Hippocampal loop. ELife, 2016, 5, .	2.8	56
504	Primate amygdala neurons evaluate the progress of self-defined economic choice sequences. ELife, 2016, 5, .	2.8	17
505	Opposite initialization to novel cues in dopamine signaling in ventral and posterior striatum in mice. ELife, 2017, 6, .	2.8	192
506	Striatal action-value neurons reconsidered. ELife, 2018, 7, .	2.8	37
507	Primate prefrontal neurons signal economic risk derived from the statistics of recent reward experience. ELife, 2019, 8, .	2.8	14
508	Post-decision processing in primate prefrontal cortex influences subsequent choices on an auditory decision-making task. ELife, 2019, 8, .	2.8	32
509	One-shot learning and behavioral eligibility traces in sequential decision making. ELife, 2019, 8, .	2.8	16
510	Single-cell transcriptomic evidence for dense intracortical neuropeptide networks. ELife, 2019, 8, .	2.8	98
511	In vivo functional diversity of midbrain dopamine neurons within identified axonal projections. ELife, 2019, 8, .	2.8	59
512	Circuits that encode and guide alcohol-associated preference. ELife, 2020, 9, .	2.8	32
513	Expectation Formation and Trading Behavior: How Investment Position Interacts with Information Favorability in Investment Decisions. SSRN Electronic Journal, 0, , .	0.4	1
514	Role of prediction error and the cholinergic system on memory reconsolidation processes in mice. Neurobiology of Learning and Memory, 2021, 185, 107534.	1.0	3

#	Article	IF	CITATIONS
515	Never too little: Grip and lift forces following probabilistic weight cues in patients with writer's cramp. Clinical Neurophysiology, 2021, 132, 2937-2947.	0.7	1
517	Nature of Human Intelligence. SSRN Electronic Journal, 0, , .	0.4	0
522	Neuroendocrine Control of Carbohydrate Metabolism. Endocrinology, 2018, , 1-16.	0.1	0
525	Applying Behavioural Incentives to Increase Adherence to Maintenance Treatment. The Malaysian Journal of Medical Sciences, 2018, 25, 137-140.	0.3	1
526	Causal Mechanisms Driving Visual Cortical Plasticity and Perceptual Learning in Primates. SSRN Electronic Journal, 0, , .	0.4	0
530	Drug-related virtual reality cue reactivity is associated with gamma activity in reward and executive control circuit in methamphetamine use disorders (Preprint). JMIR Mental Health, 0, , .	1.7	0
533	Pain and Decision-Making: Interrelated Through Homeostasis. Open Pain Journal, 2018, 11, 31-40.	0.4	6
535	Depression: The Importance of Etiology and the Involvement of Dopaminergic Reward System. , 2019, 08,		0
536	May Conscious Mind Give a "Scientific Definition―of Consciousness?. Open Journal of Philosophy, 2019, 09, 439-451	0.1	2
	2013, 03, 133 131.		
548	Lernen. , 2020, , 197-225.		0
548 549	Lernen. , 2020, , 197-225. The Neurochemistry of Science Bias. , 2020, , 3-14.		0
548 549 550	Lernen. , 2020, , 197-225. The Neurochemistry of Science Bias. , 2020, , 3-14. Vicarious Reward Response Is Positively Correlated with Functional Connectivity in the Resting State Default Mode Network. Psychology, 2020, 11, 1574-1591.	0.3	0 1 0
548 549 550 551	Lernen., 2020, , 197-225. The Neurochemistry of Science Bias., 2020, , 3-14. Vicarious Reward Response Is Positively Correlated with Functional Connectivity in the Resting State Default Mode Network. Psychology, 2020, 11, 1574-1591. Reward Responsiveness, Optimism, and Social and Mental Functioning in Children Aged 6-7: Protocol of a Cross-Sectional Pilot Study. JMIR Research Protocols, 2020, 9, e18902.	0.3	0 1 0 1
548 549 550 551	Lernen., 2020, , 197-225. The Neurochemistry of Science Bias., 2020, , 3-14. Vicarious Reward Response Is Positively Correlated with Functional Connectivity in the Resting State Default Mode Network. Psychology, 2020, 11, 1574-1591. Reward Responsiveness, Optimism, and Social and Mental Functioning in Children Aged 6-7: Protocol of a Cross-Sectional Pilot Study. JMIR Research Protocols, 2020, 9, e18902. Place-Related Concepts and Pro-Environmental Behavior in Tourism Research: A Conceptual Framework. Sustainability, 2021, 13, 11861.	0.3 0.5 1.6	0 1 0 1 4
 548 549 550 551 552 553 	Lernen. , 2020, , 197-225. The Neurochemistry of Science Bias. , 2020, , 3-14. Vicarious Reward Response Is Positively Correlated with Functional Connectivity in the Resting State Default Mode Network. Psychology, 2020, 11, 1574-1591. Reward Responsiveness, Optimism, and Social and Mental Functioning in Children Aged 6-7: Protocol of a Cross-Sectional Pilot Study. JMIR Research Protocols, 2020, 9, e18902. Place-Related Concepts and Pro-Environmental Behavior in Tourism Research: A Conceptual Framework. Sustainability, 2021, 13, 11861. Choice between different concentrations of sucrose in an adjusting-magnitude schedule: Evidence for reinforcer-specific value maxima. Behavioural Processes, 2020, 181, 104275.	0.3 0.5 1.6 0.5	0 1 0 1 4 1
 548 549 550 551 552 553 554 	Lernen., 2020, , 197-225. The Neurochemistry of Science Bias., 2020, , 3-14. Vicarious Reward Response Is Positively Correlated with Functional Connectivity in the Resting State Default Mode Network. Psychology, 2020, 11, 1574-1591. Reward Responsiveness, Optimism, and Social and Mental Functioning in Children Aged 6-7: Protocol of a Cross-Sectional Pilot Study. JMIR Research Protocols, 2020, 9, e18902. Place-Related Concepts and Pro-Environmental Behavior in Tourism Research: A Conceptual Framework. Sustainability, 2021, 13, 11861. Choice between different concentrations of sucrose in an adjusting-magnitude schedule: Evidence for reinforcer-specific value maxima. Behavioural Processes, 2020, 181, 104275. On obtaining information about the structure and quality of investigated objects revealed from streams of data through the method for identifying structures. Journal of Physics: Conference Series, 2020, 1680, 012002.	0.3 0.5 1.6 0.5 0.3	0 1 0 1 4 1 0
 548 549 550 551 552 553 554 556 	Lernen., 2020, , 197-225. The Neurochemistry of Science Bias., 2020, , 3-14. Vicarious Reward Response Is Positively Correlated with Functional Connectivity in the Resting State Default Mode Network. Psychology, 2020, 11, 1574-1591. Reward Responsiveness, Optimism, and Social and Mental Functioning in Children Aged 6-7: Protocol of a Cross-Sectional Pilot Study. JMIR Research Protocols, 2020, 9, e18902. Place-Related Concepts and Pro-Environmental Behavior in Tourism Research: A Conceptual Framework. Sustainability, 2021, 13, 11861. Choice between different concentrations of sucrose in an adjusting-magnitude schedule: Evidence for reinforcer-specific value maxima. Behavioural Processes, 2020, 181, 104275. On obtaining information about the structure and quality of investigated objects revealed from streams of data through the method for identifying structures. Journal of Physics: Conference Series, 2020, 1680, 012002. The Counseling Techniques in Tackling the Problem of Truancy Among the Students of Uttarakhand Schools. International Journal of Scientific Advances, 2020, 1,.	0.3 0.5 1.6 0.5 0.3	0 1 0 1 4 1 0 1

#	ARTICLE	IF	CITATIONS
558	GedÃ ë htnis. , 2020, , 93-155.		0
559	Reduced Neuronal Value Signals in Monkey Orbitofrontal Cortex during Relative Reward-Specific Satiety of Two-Component Choice Options. SSRN Electronic Journal, 0, , .	0.4	Ο
561	The sooner the better: clinical and neural correlates of impulsive choice in Tourette disorder. Translational Psychiatry, 2021, 11, 560.	2.4	2
565	Prenatal Stress as a Factor of the Development of Addictive States. Journal of Evolutionary Biochemistry and Physiology, 2020, 56, 471-490.	0.2	5
566	Opioid antagonism modulates wanting-related frontostriatal connectivity. ELife, 2021, 10, .	2.8	9
567	Circuits for integrating learned and innate valences in the insect brain. ELife, 2021, 10, .	2.8	29
568	Are There Common Pathways for Eating Disorders and Female Sexual Dysfunction?. Journal of Sexual Medicine, 2022, 19, 8-11.	0.3	6
570	Higher-Order Conditioning With Simultaneous and Backward Conditioned Stimulus: Implications for Models of Pavlovian Conditioning. Frontiers in Behavioral Neuroscience, 2021, 15, 749517.	1.0	1
572	Dopamine and fear memory formation in the human amygdala. Molecular Psychiatry, 2022, 27, 1704-1711.	4.1	14
573	Where is the Money? Dynamics in Feedback Processing and Attention During Spatial Probabilistic Learning. SSRN Electronic Journal, 0, , .	0.4	0
574	Ddpg-Based Adaptive Voltage Control of Distribution Networks with Multi-Terminal Sop. SSRN Electronic Journal, 0, , .	0.4	0
576	Evidence That Brain-Controlled Functional Electrical Stimulation Could Elicit Targeted Corticospinal Facilitation of Hand Muscles in Healthy Young Adults. Neuromodulation, 2023, 26, 1612-1621.	0.4	7
577	Shedding light on neurons: optical approaches for neuromodulation. National Science Review, 2022, 9, .	4.6	26
579	Effort, success, and side of lesion determine arm choice in individuals with chronic stroke. Journal of Neurophysiology, 2022, 127, 255-266.	0.9	10
580	Reward and plasticity: Implications for neurorehabilitation. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 184, 331-340.	1.0	5
581	Atomistic Simulations of Dopamine Diffusion Dynamics on a Pristine Graphene Surface**. ChemPhysChem, 2022, 23, .	1.0	4
582	Compulsory Volunteer Experience in Singapore: Personality, Volunteer Motivation, and Continuance Intention to Volunteer. Voluntas, 0, , 1.	1.1	5
583	Ageâ€related differences in the errorâ€related negativity and error positivity in children and adolescents are moderated by sample and methodological characteristics: A metaâ€analysis. Psychophysiology, 2022, 59, e14003.	1.2	15

#	Article	IF	CITATIONS
584	The nervous system as a solution for implementing closed negative feedback control loops. Journal of the Experimental Analysis of Behavior, 2022, 117, 279-300.	0.8	1
585	Psychomotor Symptoms in Chronic Cocaine Users: An Interpretative Model. International Journal of Environmental Research and Public Health, 2022, 19, 1897.	1.2	2
588	Circular Economy Driven Communities – Sustainable Behavior Driven by Mobile Applications. Procedia CIRP, 2022, 105, 362-367.	1.0	2
589	Opioid Reinforcement: What It Is And How It Can Be Modulated By Cannabinoids. , 2022, , 1-28.		0
590	An Overview of Emotion in Artificial Intelligence. IEEE Transactions on Artificial Intelligence, 2022, 3, 867-886.	3.4	6
591	The incentive amplifying effects of nicotine: Roles in alcohol seeking and consumption. Advances in Pharmacology, 2022, 93, 171-218.	1.2	4
592	Linking cognition with pathos in American restaurants' menus: Jordan as a case. Heliyon, 2022, 8, e09000.	1.4	0
594	Tasks activating the default mode network map multiple functional systems. Brain Structure and Function, 2022, 227, 1711-1734.	1.2	16
596	Insights into the role of noradrenaline in effortful decisions. PLoS Biology, 2022, 20, e3001545.	2.6	1
597	What Are the Interactions Between the Midbrain Dopamine System in Pain?. Neurology, 2022, 98, 274-278.	1.5	0
598	Reward System Dysfunction and the Motoric-Cognitive Risk Syndrome in Older Persons. Biomedicines, 2022, 10, 808.	1.4	2
599	Abnormal Responses in Cognitive Impulsivity Circuits Are Associated with Clycosylated Hemoglobin Trajectories in Type 1 Diabetes Mellitus and Impaired Metabolic Control. Diabetes and Metabolism Journal, 2022, 46, 866-878.	1.8	3
600	Logistic analysis of choice data: A primer. Neuron, 2022, 110, 1615-1630.	3.8	8
601	The location independence of learned attentional flexibility. Attention, Perception, and Psychophysics, 2022, 84, 682-699.	0.7	2
602	Non-sensory Influences on Auditory Learning and Plasticity. JARO - Journal of the Association for Research in Otolaryngology, 2022, 23, 151-166.	0.9	1
603	Bark to the future: The welfare of domestic dogs during interaction with a positively reinforcing artificial agent. Applied Animal Behaviour Science, 2022, 249, 105595.	0.8	4
604	Greed Restraint: Ambiguity Aversion, Reference Dependence, and Self-Centeredness as Sources of Self-Regulation in Instrumental Crime. Crime and Delinquency, 0, , 001112872210749.	1.1	0
606	Smoking Cessation Interventions across Different Stages of Change. Journal of Applied Social Science, 0, , 193672442210809.	0.4	0

#	Article	IF	Citations
607	Structure-function coupling within the reward network in preschool children predicts executive functioning in later childhood. Developmental Cognitive Neuroscience, 2022, 55, 101107.	1.9	10
608	Does power increase attention to rewards? Examining the brain and behavior. Journal of Experimental Social Psychology, 2022, 101, 104332.	1.3	3
609	Deep Reinforcement Learning-Based Adaptive Voltage Control of Active Distribution Networks with Multi-terminal Soft Open Point. International Journal of Electrical Power and Energy Systems, 2022, 141, 108138.	3.3	20
610	A consecutive hybrid spiking-convolutional (CHSC) neural controller for sequential decision making in robots. Neurocomputing, 2022, 490, 319-336.	3.5	18
611	Cell-type–specific neuromodulation guides synaptic credit assignment in a spiking neural network. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
612	Neural correlates and determinants of approach–avoidance conflict in the prelimbic prefrontal cortex. ELife, 2021, 10, .	2.8	15
613	Impulsivity, Decision-Making, and Reward System as Key Factors in Addiction. , 2022, , 1-19.		0
614	What Bias Management Can Learn From Change Management? Utilizing Change Framework to Review and Explore Bias Strategies. Frontiers in Psychology, 2021, 12, 644145.	1.1	1
615	Synaptic loss and progression in mice infected with Angiostrongylus cantonensis in the early stage. Journal of Neuroinflammation, 2022, 19, 85.	3.1	2
622	Nicotinic receptors promote susceptibility to social stress in female mice linked with neuroadaptations within VTA dopamine neurons. Neuropsychopharmacology, 2022, 47, 1587-1596.	2.8	8
623	The Effect of Reward Frequency on Performance under Cash Rewards and Tangible Rewards. SSRN Electronic Journal, 0, , .	0.4	2
624	Dynamic Distortion of Orientation Representation after Learning in the Mouse Primary Visual Cortex. Journal of Neuroscience, 2022, 42, 4311-4325.	1.7	3
625	Dynamic modulation of neural feedback processing and attention during spatial probabilistic learning. IScience, 2022, 25, 104302.	1.9	0
626	Learning Outside the Brain: Integrating Cognitive Science and Systems Biology. Proceedings of the IEEE, 2022, 110, 590-612.	16.4	7
628	Musical Enjoyment and Reward: From Hedonic Pleasure to Eudaimonic Listening. Behavioral Sciences (Basel, Switzerland), 2022, 12, 154.	1.0	7
629	Computational Mechanisms of Osmoregulation: A Reinforcement Learning Model for Sodium Appetite. Frontiers in Neuroscience, 2022, 16, .	1.4	4
631	The ABC Model of Happiness—Neurobiological Aspects of Motivation and Positive Mood, and Their Dynamic Changes through Practice, the Course of Life. Biology, 2022, 11, 843.	1.3	8
632	Turning Art into Hammers: A Complex Biography of Palaeolithic Portable Art from CoÃmbre Cave (Asturias, Spain). Cambridge Archaeological Journal, 0, , 1-14.	0.6	0

#	Article	IF	CITATIONS
633	Effects of acute aerobic exercise on food-reward mechanisms in smoking-addicted individuals: An fNIRS study. Physiology and Behavior, 2022, 254, 113889.	1.0	2
636	Music, Religion and Health; A Scientific Perspective on the Origin of Our Relationship to Music. , 2022, 1, 143-149.		0
637	Insulin signaling shapes fractal scaling of C. elegans behavior. Scientific Reports, 2022, 12, .	1.6	1
638	Relevance of interactions between dopamine and glutamate neurotransmission in schizophrenia. Molecular Psychiatry, 2022, 27, 3583-3591.	4.1	22
639	Ameliorative Sexual Behavior and Phosphodiesterase-5 Inhibitory Effects of Spondias mangifera Fruit Extract in Rodents: In Silico, In Vitro, and In Vivo Study. Journal of Clinical Medicine, 2022, 11, 3732.	1.0	6
640	Ca _v 1.3 calcium channels are full-range linear amplifiers of firing frequencies in lateral DA SN neurons. Science Advances, 2022, 8, .	4.7	17
641	The neurobiological reward system and binge eating: A critical systematic review of neuroimaging studies. International Journal of Eating Disorders, 2022, 55, 1421-1458.	2.1	11
642	Seeing Design. , 2022, , 88-101.		0
645	Scientometric portraits of recognized scientists: a structured literature review. Scientometrics, 2022, 127, 4827-4846.	1.6	1
647	ADHD co-morbidities: A review of implication of gene × environment effects with dopamine-related genes. Neuroscience and Biobehavioral Reviews, 2022, 139, 104757.	2.9	11
649	Reinforcement learning with associative or discriminative generalization across states and actions: fMRI at 3ÂT and 7ÂT. Human Brain Mapping, 2022, 43, 4750-4790.	1.9	5
650	Operant down-conditioning of the soleus H-reflex in people after stroke. Frontiers in Rehabilitation Sciences, 0, 3, .	0.5	6
652	Neural signals implicated in the processing of appetitive and aversive events in social and non-social contexts. Frontiers in Systems Neuroscience, 0, 16, .	1.2	2
653	Comparative Study of the Neurotoxic Effects of Pregabalin Versus Tramadol in Rats. Neurotoxicity Research, 0, , .	1.3	0
654	"Wanting―versus "needing―related value: An fMRI metaâ€analysis. Brain and Behavior, 2022, 12, .	1.0	5
655	Reinforcement learning: A brief guide for philosophers of mind. Philosophy Compass, 2022, 17, .	0.7	1
656	Optogenetically induced reward and †frustration' memory in larval <i>Drosophila melanogaster</i> . Journal of Experimental Biology, 2022, 225, .	0.8	4
657	Happiness Studies in the Biological and Medical Sciences. Social Indicators Research Series, 2022, , 75-93.	0.3	0

#	Article	IF	CITATIONS
658	The neural correlates and the underlying processes of weak brand choices. Journal of Business Research, 2023, 154, 113230.	5.8	4
659	Plasticity of synapses and reward circuit function in the genesis and treatment of depression. Neuropsychopharmacology, 2023, 48, 90-103.	2.8	8
660	A framework for application of consumer neuroscience in pro-environmental behavior change interventions. Frontiers in Human Neuroscience, 0, 16, .	1.0	10
661	Bumblebees retrieve only the ordinal ranking of foraging options when comparing memories obtained in distinct settings. ELife, 0, 11, .	2.8	5
662	Striatal dopamine explains novelty-induced behavioral dynamics and individual variability in threat prediction. Neuron, 2022, 110, 3789-3804.e9.	3.8	33
663	Effect of SIRT1 on white matter neural network in adolescent patients with depression. Frontiers in Psychiatry, 0, 13, .	1.3	1
665	Neuroimaging oxytocin modulation of social reward learning in schizophrenia. BJPsych Open, 2022, 8,	0.3	0
666	Multistability, perceptual value, and internal foraging. Neuron, 2022, 110, 3076-3090.	3.8	9
669	Impulsivity, Decision-Making, and Reward System as Key Factors in Addiction. , 2022, , 537-555.		0
670	Opioid Reinforcement: What It Is and How It Can Be Modulated by Cannabinoids. , 2022, , 1893-1920.		0
671	Midbrain dopamine neurons signal phasic and ramping reward prediction error during goal-directed navigation. Cell Reports, 2022, 41, 111470.	2.9	7
672	Sexual Trauma Moderates Hormonal Mediators of Women's Sexual Function. Current Sexual Health Reports, 0, , .	0.4	0
673	Activity of a direct VTA to ventral pallidum GABA pathway encodes unconditioned reward value and sustains motivation for reward. Science Advances, 2022, 8, .	4.7	15
674	Subjective reward processing and catechol-O- methyltransferase Val158Met polymorphism as potential research domain criteria in addiction: A pilot study. Frontiers in Psychiatry, 0, 13, .	1.3	0
675	An Adaptive Motivation Approach to Understanding the â€~How' and â€~Why' of Wellbeing. International Journal of Environmental Research and Public Health, 2022, 19, 12784.	1.2	1
676	Nanomedicine in the Face of Parkinson's Disease: From Drug Delivery Systems to Nanozymes. Cells, 2022, 11, 3445.	1.8	7
677	Ferroelectric Polarized in Transistor Channel Polarity Modulation for Reward-Modulated Spike-Time-Dependent Plasticity Application. Journal of Physical Chemistry Letters, 2022, 13, 10056-10064.	2.1	3
679	Hyperconnectivity and altered interactions of a nucleus accumbens network in post-stroke depression. Brain Communications, 2022, 4, .	1.5	2

#	Article	IF	CITATIONS
680	The effect of adulteration with a bitter tastant, denatonium benzoate, on the reinforcing value of sucrose. Behavioural Processes, 2022, 203, 104771.	0.5	0
683	Usage of L-type calcium channel blockers to suppress drug reward and memory driving addiction: Past, present, and future. Neuropharmacology, 2022, 221, 109290.	2.0	2
685	Experiences and Price Dynamics. SSRN Electronic Journal, 0, , .	0.4	3
686	Evidence for entropy maximisation in human free choice behaviour. Cognition, 2023, 232, 105328.	1.1	5
687	Evaluating instrumental learning and striatal–cortical functional connectivity in adolescent alcohol and cannabis use. Addiction Biology, 2023, 28, .	1.4	1
688	Dorsal striatum coding for the timely execution of action sequences. ELife, 0, 11, .	2.8	2
689	Age-related differences in ERP correlates of value-based decision making. Neurobiology of Aging, 2023, 123, 10-22.	1.5	1
690	Brain Reward Circuits Promote Stress Resilience and Health: Implications for Reward-Based Interventions. Current Directions in Psychological Science, 2023, 32, 65-72.	2.8	1
691	Value-driven modulation of visual perception by visual and auditory reward cues: The role of performance-contingent delivery of reward. Frontiers in Human Neuroscience, 0, 16, .	1.0	3
693	Making Education More Brain-Friendly through Gamified Instruction. , 0, , .		1
694	The calcium-sensing receptor (CaSR) regulates zebrafish sensorimotor decision making via a genetically defined cluster of hindbrain neurons. Cell Reports, 2022, 41, 111790.	2.9	2
696	Modeling Pacemaking, Bursting, and Depolarization Block in Midbrain Dopamine Neurons. Neuromethods, 2023, , 101-119.	0.2	1
697	Cholinergic activity reflects reward expectations and predicts behavioral responses. IScience, 2023, 26, 105814.	1.9	7
699	The problematic syndrome of right temporal lobe atrophy: Unweaving the phenotypic rainbow. Frontiers in Neurology, 0, 13, .	1.1	3
700	Art Value Creation and Destruction. Integrative Psychological and Behavioral Science, 2023, 57, 796-839.	0.5	2
701	Temporal prediction error triggers amygdala-dependent memory updating in appetitive operant conditioning in rats. Frontiers in Behavioral Neuroscience, 0, 16, .	1.0	1
702	Human and macaque pairs employ different coordination strategies in a transparent decision game. ELife, 0, 12, .	2.8	4
703	Designing an App for Parents and Caregivers to Promote Cognitive and Socioemotional Development and Well-being Among Children Aged 0 to 5 Years in Diverse Cultural Settings: Scientific Framework. JMIR Pediatrics and Parenting, 0, 6, e38921.	0.8	4

#	Article	IF	CITATIONS
704	Aging, uncertainty, and decision making—A review. Cognitive, Affective and Behavioral Neuroscience, 2023, 23, 773-787.	1.0	4
705	A metaâ€analysis of the neural substrates of monetary reward anticipation and outcome in alcohol use disorder. Human Brain Mapping, 2023, 44, 2841-2861.	1.9	8
706	Effects of the COVID-19 Pandemic on Neural Responses to Reward: A Quasi-experiment. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 891-898.	1.1	2
707	Mesolimbic dopamine adapts the rate of learning from action. Nature, 2023, 614, 294-302.	13.7	23
708	Differential neural reward reactivity in response to food advertising medium in children. Frontiers in Neuroscience, 0, 17, .	1.4	0
709	The architecture of abnormal reward behaviour in dementia: multimodal hedonic phenotypes and brain substrate. Brain Communications, 2023, 5, .	1.5	2
710	Reward enhances resilience to chronic social defeat stress in mice: Neural ECs and mGluR5 mechanism via neuroprotection in VTA and DRN. Frontiers in Psychiatry, 0, 14, .	1.3	1
711	Knock-out of the critical nitric oxide synthase regulator DDAH1 in mice impacts amphetamine sensitivity and dopamine metabolism. Journal of Neural Transmission, 0, , .	1.4	0
713	Linking the Neural Correlates of Reward and Pleasure to Aesthetic Evaluations of Beauty. Current Clinical Neurology, 2023, , 215-231.	0.1	1
714	Transforming experiences: Neurobiology of memory updating/editing. Frontiers in Systems Neuroscience, 0, 17, .	1.2	5
715	Modulation of aversive value coding in the vertebrate and invertebrate brain. Current Opinion in Neurobiology, 2023, 79, 102696.	2.0	1
716	A process model account of the role of dopamine in intertemporal choice. ELife, 0, 12, .	2.8	1
717	Association Between the Fronto-Limbic Network and Cognitive and Emotional Functioning in Individuals With Bipolar Disorder. JAMA Psychiatry, 2023, 80, 432.	6.0	6
720	Drugs For Relapse Prevention in Addiction: Review of Psychological and Neurological Factors, Genetics and Neurobiological Mechanisms. Frontiers in Clinical Drug Research CNS and Neurological Disorders, 2023, , 158-237.	0.1	0
740	Westliches Denken in seiner Bestform: Systemtheorie und Psychologie. , 2023, , 81-118.		0
757	Mixed-Mode Response ofÂNigral Dopaminergic Neurons: An in Silico Study onÂSpiNNaker. Lecture Notes in Computer Science, 2023, , 363-374.	1.0	0
758	The Achilles Heel ofÂArtificial Intelligence. Communications in Computer and Information Science, 2023, , 387-398.	0.4	0
781	The role of orbitofrontal cortex in economic choice behavior. , 2023, , .		0

ARTICLE

IF CITATIONS