Identity-specific coding of future rewards in the human

Proceedings of the National Academy of Sciences of the Unite 112, 5195-5200

DOI: 10.1073/pnas.1503550112

Citation Report

#	Article	IF	CITATIONS
1	Feedback associated with expectation for larger-reward improves visuospatial working memory performances in children with ADHD. Developmental Cognitive Neuroscience, 2015, 14, 38-49.	1.9	15
2	Pleasure of Food in the Brain. , 2016, , 211-234.		6
3	Parallel inputs from the mediodorsal thalamus to the prefrontal cortex in the rat. European Journal of Neuroscience, 2016, 44, 1972-1986.	1.2	44
4	Neural Mechanisms of Credit Assignment in a Multicue Environment. Journal of Neuroscience, 2016, 36, 1096-1112.	1.7	53
5	Two Anatomically and Computationally Distinct Learning Signals Predict Changes to Stimulus-Outcome Associations in Hippocampus. Neuron, 2016, 89, 1343-1354.	3.8	97
6	Reward Systems in the Brain and Nutrition. Annual Review of Nutrition, 2016, 36, 435-470.	4.3	69
7	Neuronal remapping and circuit persistence in economic decisions. Nature Neuroscience, 2016, 19, 855-861.	7.1	64
8	Back to basics: Making predictions in the orbitofrontal–amygdala circuit. Neurobiology of Learning and Memory, 2016, 131, 201-206.	1.0	58
9	Motivation Explained. Advances in Motivation Science, 2016, 3, 187-249.	2.2	7
10	Repetition suppression: a means to index neural representations using BOLD?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150355.	1.8	170
11	Human Orbitofrontal Cortex Represents a Cognitive Map of State Space. Neuron, 2016, 91, 1402-1412.	3.8	419
12	Converging prefrontal pathways support associative and perceptual features of conditioned stimuli. Nature Communications, 2016, 7, 11546.	5.8	42
13	â€~Proactive' use of cue-context congruence for building reinforcement learning's reward function. BMC Neuroscience, 2016, 17, 70.	0.8	11
14	Changing views of emotion regulation and neurobiological models of the mechanism of action of psychotherapy. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 571-587.	1.0	58
15	Redefining the Role of Limbic Areas in Cortical Processing. Trends in Cognitive Sciences, 2016, 20, 96-106.	4.0	242
16	Shared neural basis of social and non-social reward deficits in chronic cocaine users. Social Cognitive and Affective Neuroscience, 2016, 11, 1017-1025.	1.5	39
17	Dopamine Modulates the Functional Organization of the Orbitofrontal Cortex. Journal of Neuroscience, 2017, 37, 1493-1504.	1.7	52
18	Altered reward anticipation: Potential explanation for weight gain in schizophrenia?. Neuroscience and Biobehavioral Reviews, 2017, 75, 91-103.	2.9	16

CITATION REPORT

#	Article	IF	CITATIONS
19	Whole-Brain Neural Dynamics of Probabilistic Reward Prediction. Journal of Neuroscience, 2017, 37, 3789-3798.	1.7	18
20	Neural Correlates of Sexual Orientation in Heterosexual, Bisexual, and Homosexual Men. Scientific Reports, 2017, 7, 41314.	1.6	40
21	Identity-Specific Reward Representations in Orbitofrontal Cortex Are Modulated by Selective Devaluation. Journal of Neuroscience, 2017, 37, 2627-2638.	1.7	108
22	Emotion and the prefrontal cortex: An integrative review Psychological Bulletin, 2017, 143, 1033-1081.	5.5	434
23	Contrasting Effects of Medial and Lateral Orbitofrontal Cortex Lesions on Credit Assignment and Decision-Making in Humans. Journal of Neuroscience, 2017, 37, 7023-7035.	1.7	123
24	Reactivation of associative structure specific outcome responses during prospective evaluation in reward-based choices. Nature Communications, 2017, 8, 15821.	5.8	43
25	Orbitofrontal Cortex Activity and Connectivity Predict Future Depression Symptoms in Adolescence. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 610-618.	1.1	21
26	The Reduction of Ventrolateral Prefrontal Cortex Gray Matter Volume Correlates with Loss of Economic Rationality in Aging. Journal of Neuroscience, 2017, 37, 12068-12077.	1.7	32
27	Elucidating the underlying components of food valuation in the human orbitofrontal cortex. Nature Neuroscience, 2017, 20, 1780-1786.	7.1	158
28	Orbitofrontal Cortex: A Neural Circuit for Economic Decisions. Neuron, 2017, 96, 736-754.	3.8	211
29	Disrupted Prefrontal Regulation of Striatal Subjective Value Signals in Psychopathy. Neuron, 2017, 95, 221-231.e4.	3.8	66
30	Learning, Reward, and Decision Making. Annual Review of Psychology, 2017, 68, 73-100.	9.9	328
31	Inverted activity patterns in ventromedial prefrontal cortex during value-guided decision-making in a less-is-more task. Nature Communications, 2017, 8, 1886.	5.8	44
32	Reward, Value, and Salience. , 2017, , 109-120.		7
33	Localization, Diversity, and Behavioral Expression of Associative Engrams in Drosophila â~†. , 2017, , 463-473.		7
34	Distributed neural representation of saliency controlled value and category during anticipation of rewards and punishments. Nature Communications, 2017, 8, 1907.	5.8	26
35	Social Observation Increases Functional Segregation between MPFC Subregions Predicting Prosocial Consumer Decisions. Scientific Reports, 2018, 8, 3368.	1.6	18
36	Identity prediction errors in the human midbrain update reward-identity expectations in the orbitofrontal cortex. Nature Communications, 2018, 9, 1611.	5.8	75

#	Article	IF	CITATIONS
37	The role of the orbitofrontal cortex in alcohol use, abuse, and dependence. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 87, 85-107.	2.5	82
38	The paradox of warmth: Ambient warm temperature decreases preference for savory foods. Food Quality and Preference, 2018, 69, 1-9.	2.3	37
39	Functional architecture of reward learning in mushroom body extrinsic neurons of larval Drosophila. Nature Communications, 2018, 9, 1104.	5.8	113
40	Primate Ventromedial Prefrontal Cortex Neurons Continuously Encode the Willingness to Engage in Reward-Directed Behavior. Cerebral Cortex, 2018, 28, 73-89.	1.6	16
41	A decade of decoding reward-related fMRI signals and where we go from here. NeuroImage, 2018, 180, 324-333.	2.1	57
42	Neural mechanisms for learning self and other ownership. Nature Communications, 2018, 9, 4747.	5.8	61
43	Dissociable forms of uncertainty-driven representational change across the human brain. Journal of Neuroscience, 2019, 39, 1713-18.	1.7	39
44	Behavioral Inhibition. , 2018, , .		18
45	Frontostriatal pathways gate processing of behaviorally relevant reward dimensions. PLoS Biology, 2018, 16, e2005722.	2.6	18
46	Functional brain anatomy of exercise regulation. Progress in Brain Research, 2018, 240, 341-352.	0.9	4
47	A State Representation for Reinforcement Learning and Decision-Making in the Orbitofrontal Cortex. , 2018, , 259-278.		32
48	Opposing pupil responses to offered and anticipated reward values. Animal Cognition, 2018, 21, 671-684.	0.9	12
49	Orbitofrontal Signaling of Future Reward is Associated with Hyperactivity in Attention-Deficit/Hyperactivity Disorder. Journal of Neuroscience, 2018, 38, 6779-6786.	1.7	22
50	Genetic signatures of memories. ELife, 2018, 7, .	2.8	3
51	Sweet taste potentiates the reinforcing effects of e-cigarettes. European Neuropsychopharmacology, 2018, 28, 1089-1102.	0.3	26
52	Endocannabinoids in Body Weight Control. Pharmaceuticals, 2018, 11, 55.	1.7	38
53	Economic Choice as an Untangling of Options into Actions. Neuron, 2018, 99, 434-447.	3.8	102
54	Error-related Persistence of Motor Activity in Resting-state Networks. Journal of Cognitive Neuroscience, 2018, 30, 1883-1901.	1.1	10

CITATION REPORT

	CITATION	CITATION REPORT	
#	Article	IF	CITATIONS
55	Age of gray matters: Neuroprediction of recidivism. NeuroImage: Clinical, 2018, 19, 813-823.	1.4	32
56	Differential function of medial prefrontal cortex catecholaminergic receptors after long-term sugar consumption. Behavioural Brain Research, 2019, 356, 495-503.	1.2	5
57	Sexual trauma history is associated with reduced orbitofrontal network strength in substance-dependent women. NeuroImage: Clinical, 2019, 24, 101973.	1.4	5
58	Disentangling the effects of reward value and probability on anticipatory event-related potentials. Neuropsychologia, 2019, 132, 107138.	0.7	9
59	Sensory prediction errors in the human midbrain signal identity violations independent of perceptual distance. ELife, 2019, 8, .	2.8	26
60	Taste and smell processing in the brain. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 164, 97-118.	1.0	76
61	Neuroanatomy and function of human sexual behavior: A neglected or unknown issue?. Brain and Behavior, 2019, 9, e01389.	1.0	91
62	Multisensory Enhancement of Odor Object Processing in Primary Olfactory Cortex. Neuroscience, 2019, 418, 254-265.	1.1	28
63	Learning task-state representations. Nature Neuroscience, 2019, 22, 1544-1553.	7.1	200
64	Learning of distant state predictions by the orbitofrontal cortex in humans. Nature Communications, 2019, 10, 2554.	5.8	35
65	Evidence for model-based encoding of Pavlovian contingencies in the human brain. Nature Communications, 2019, 10, 1099.	5.8	31
66	Distinct cortical–amygdala projections drive reward value encoding and retrieval. Nature Neuroscience, 2019, 22, 762-769.	7.1	119
67	Computing Value from Quality and Quantity in Human Decision-Making. Journal of Neuroscience, 2019, 39, 163-176.	1.7	19
68	Social, self, (situational), and affective processes in medial prefrontal cortex (MPFC): Causal, multivariate, and reverse inference evidence. Neuroscience and Biobehavioral Reviews, 2019, 99, 311-328.	2.9	169
69	The orbitofrontal cortex and emotion in health and disease, including depression. Neuropsychologia, 2019, 128, 14-43.	0.7	206
70	Aberrant brain gray matter in murderers. Brain Imaging and Behavior, 2020, 14, 2050-2061.	1.1	16
71	The cognitive penetrability of perception: A blocked debate and a tentative solution. Consciousness and Cognition, 2020, 77, 102838.	0.8	7
72	Dynamic intersubject neural synchronization reflects affective responses to sad music. Neurolmage, 2020, 218, 116512.	2.1	42

#	Article	IF	CITATIONS
73	The orbitofrontal cortex, food intake and obesity. Journal of Psychiatry and Neuroscience, 2020, 45, 304-312.	1.4	52
74	Targeted Stimulation of an Orbitofrontal Network Disrupts Decisions Based on Inferred, Not Experienced Outcomes. Journal of Neuroscience, 2020, 40, 8726-8733.	1.7	21
75	The orbitofrontal cortex spontaneously encodes food health and contains more distinct representations for foods highest in tastiness. Social Cognitive and Affective Neuroscience, 2021, 16, 816-826.	1.5	12
76	Decoding Odor Mixtures in the Dog Brain: An Awake fMRI Study. Chemical Senses, 2020, 45, 833-844.	1.1	7
77	Extrinsic Factors Underlying Food Valuation in the Human Brain. Frontiers in Behavioral Neuroscience, 2020, 14, 131.	1.0	14
78	Differential functional connectivity underlying asymmetric reward-related activity in human and nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28452-28462.	3.3	28
79	Emotional appraisal processing of computer-generated facial expressions: an functional near-infrared spectroscopy study. NeuroReport, 2020, 31, 437-441.	0.6	2
80	Motor cortical thickness is related to effort-based decision-making in humans. Journal of Neurophysiology, 2020, 123, 2373-2381.	0.9	5
81	Representation of probabilistic outcomes during risky decision-making. Nature Communications, 2020, 11, 2419.	5.8	12
82	Anticipation-induced delta phase reset improves human olfactory perception. PLoS Biology, 2020, 18, e3000724.	2.6	8
83	Interactions between human orbitofrontal cortex and hippocampus support model-based inference. PLoS Biology, 2020, 18, e3000578.	2.6	165
84	Targeted Stimulation of Human Orbitofrontal Networks Disrupts Outcome-Guided Behavior. Current Biology, 2020, 30, 490-498.e4.	1.8	65
85	Stability or Plasticity? – A Hierarchical Allostatic Regulation Model of Medial Prefrontal Cortex Function for Social Valuation. Frontiers in Neuroscience, 2020, 14, 281.	1.4	14
86	Causal investigations into orbitofrontal control of human decision making. Current Opinion in Behavioral Sciences, 2021, 38, 14-19.	2.0	5
87	On the contribution of the senses to food emotional experience. Food Quality and Preference, 2021, 92, 104120.	2.3	15
88	Sex-Specific Functional Connectivity in the Reward Network Related to Distinct Gender Roles. Frontiers in Human Neuroscience, 2020, 14, 593787.	1.0	2
89	Neural Population Dynamics Underlying Expected Value Computation. Journal of Neuroscience, 2021, 41, 1684-1698.	1.7	16
90	Conditional valuation for combinations of goods in primates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190669.	1.8	3

#	Article	IF	CITATIONS
93	The orbitofrontal cortex, food reward, body weight and obesity. Social Cognitive and Affective Neuroscience, 2023, 18, .	1.5	19
94	Defining an orbitofrontal compass: Functional and anatomical heterogeneity across anterior–posterior and medial–lateral axes Behavioral Neuroscience, 2021, 135, 165-173.	0.6	16
95	Heterogeneous value coding in orbitofrontal populations Behavioral Neuroscience, 2021, 135, 245-254.	0.6	5
96	How usefulness shapes neural representations during goal-directed behavior. Science Advances, 2021, 7, .	4.7	23
97	Unlocking the reinforcement-learning circuits of the orbitofrontal cortex Behavioral Neuroscience, 2021, 135, 120-128.	0.6	5
98	To be specific: The role of orbitofrontal cortex in signaling reward identity Behavioral Neuroscience, 2021, 135, 210-217.	0.6	23
100	Cross-species studies on orbitofrontal control of inference-based behavior Behavioral Neuroscience, 2021, 135, 109-119.	0.6	6
103	A bidirectional corticoamygdala circuit for the encoding and retrieval of detailed reward memories. ELife, 2021, 10, .	2.8	29
104	Executive Function Assigns Value to Novel Goal-Congruent Outcomes. Cerebral Cortex, 2021, 32, 231-247.	1.6	9
105	The Medial Orbitofrontal Cortex–Basolateral Amygdala Circuit Regulates the Influence of Reward Cues on Adaptive Behavior and Choice. Journal of Neuroscience, 2021, 41, 7267-7277.	1.7	24
106	Prefrontal cortex interactions with the amygdala in primates. Neuropsychopharmacology, 2022, 47, 163-179.	2.8	28
107	Multi-scale neural decoding and analysis. Journal of Neural Engineering, 2021, 18, 045013.	1.8	16
108	Neural Representation of Costs and Rewards in Decision Making. Brain Sciences, 2021, 11, 1096.	1.1	3
110	Subjective value, not a gridlike code, describes neural activity in ventromedial prefrontal cortex during value-based decision-making. NeuroImage, 2021, 237, 118159.	2.1	11
111	Reinforcement-learning in fronto-striatal circuits. Neuropsychopharmacology, 2022, 47, 147-162.	2.8	41
112	The prediction-error hypothesis of schizophrenia: new data point to circuit-specific changes in dopamine activity. Neuropsychopharmacology, 2022, 47, 628-640.	2.8	29
113	Neural circuits for inference-based decision-making. Current Opinion in Behavioral Sciences, 2021, 41, 10-14.	2.0	10
114	Identifying identity and attributing value to attributes: reconsidering mechanisms of preference decisions. Current Opinion in Behavioral Sciences, 2021, 41, 98-105.	2.0	6

#	Article	IF	CITATIONS
115	The hierarchical construction of value. Current Opinion in Behavioral Sciences, 2021, 41, 71-77.	2.0	15
116	Reward-Punishment Processing and Learning. , 2022, , 460-466.		0
117	Cortical Olfactory Processing. , 2017, , 97-98.		4
118	The Neural Mechanisms of Behavioral Inhibition. , 2018, , 59-90.		3
122	Under construction: ventral and lateral frontal lobe contributions to value-based decision-making and learning. F1000Research, 2020, 9, 158.	0.8	14
123	Basolateral Amygdala to Orbitofrontal Cortex Projections Enable Cue-Triggered Reward Expectations. Journal of Neuroscience, 2017, 37, 8374-8384.	1.7	154
124	Lateral orbitofrontal neurons acquire responses to upshifted, downshifted, or blocked cues during unblocking. ELife, 2015, 4, e11299.	2.8	39
125	Neural representation of newly instructed rule identities during early implementation trials. ELife, 2019, 8, .	2.8	19
126	Neural mechanisms of economic choices in mice. ELife, 2020, 9, .	2.8	40
127	Stable and dynamic representations of value in the prefrontal cortex. ELife, 2020, 9, .	2.8	37
129	Common Sense in Choice: The Effect of Sensory Modality on Neural Value Representations. ENeuro, 2018, 5, ENEURO.0346-17.2018.	0.9	5
140	Flavor Processing in the Brain. , 2020, , 298-317.		0
141	Wine aroma vectors and sensory attributes. , 2022, , 3-39.		7
142	Neural responses to facial attractiveness in the judgments of moral goodness and moral beauty. Brain Structure and Function, 2022, 227, 843-863.	1.2	4
143	Economic Choices under Simultaneous or Sequential Offers Rely on the Same Neural Circuit. Journal of Neuroscience, 2022, 42, 33-43.	1.7	8
144	Neural Representations of Food-Related Attributes in the Human Orbitofrontal Cortex during Choice Deliberation in Anorexia Nervosa. Journal of Neuroscience, 2022, 42, 109-120.	1.7	5
146	Altered dynamic functional connectivity of insular subregions could predict symptom severity of male patients with autism spectrum disorder. Journal of Affective Disorders, 2022, 299, 504-512.	2.0	8
147	Moderated mediation for exercise maintenance in pain and posttraumatic stress disorder: A randomized trial Health Psychology, 2020, 39, 826-840.	1.3	2

CITATION REPORT

ARTICLE IF CITATIONS A neuroeconomic signature of opioid craving: How fluctuations in craving bias drug-related and 148 2.8 10 nondrug-related value. Neuropsychopharmacology, 2022, 47, 1440-1448. A Role for Serotonin in Modulating Opposing Drive and Brake Circuits of Impulsivity. Frontiers in 149 1.0 Behavioral Neuroscience, 2022, 16, 791749 Coexistence of sensory qualities and value representations in human orbitofrontal cortex. 150 1.0 0 Neuroscience Research, 2022, , . Altered Brain Structural Reorganization and Hierarchical Integrated Processing in Obesity. Frontiers 1.4 in Neuroscience, 2022, 16, 796792. Human Primary Olfactory Amygdala Subregions Form Distinct Functional Networks, Suggesting 152 1.2 14 Distinct Olfactory Functions. Frontiers in Systems Neuroscience, 2021, 15, 752320. An Exploratory Analysis of the Neural Correlates of Human-Robot Interactions With Functional Near 1.0 Infrared Spectroscopy. Frontiers in Human Neuroscience, 0, 16, . Neural Mechanisms Underlying Expectation-Guided Decision-Making. Frontiers in Behavioral 154 1.0 0 Neuroscience, 0, 16, . Amygdala-cortical collaboration in reward learning and decision making. ELife, 0, 11, . 2.8 156 Computationally Informed Interventions for Targeting Compulsive Behaviors. Biological Psychiatry, 157 0.7 3 2023, 93, 729-738. A neural signature of the vividness of prospective thought is modulated by temporal proximity during intertemporal decision making. Proceedings of the National Academy of Sciences of the United States 3.3 of America, 2022, 119, . Hypothalamic interaction with reward-related regions during subjective evaluation of foods. 159 3 2.1 NeuroImage, 2022, 264, 119744. Emotional learning retroactively promotes memory integration through rapid neural reactivation 2.8 and reorganization. ELife, 0, 11, . The distinct role of orbitofrontal and medial prefrontal cortex in encoding impulsive choices in an 164 1.0 0 animal model of attention deficit hyperactivity disorder. Frontiers in Behavioral Neuroscience, 0, 16, . Outcome-specific reward processing and decision-making., 2024, , . Zero the hero: Evidence for involvement of the ventromedial prefrontal cortex in affective bias for 167 1.1 0 free items. Cortex, 2023, 160, 24-42. It is a matter of perspective: Attentional focus rather than dietary restraint drives brain responses to food stimuli. Neurolmage, 2023, 273, 120076.

CITATION REPORT