Edmund T Rolls

List of Publications by Year
in descending order

486	61,537	553 126	1280 225
papers	citations	h-index	g-index

501	501	501	30309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The orbitofrontal cortex, food reward, body weight and obesity. Social Cognitive and Affective Neuroscience, 2023, 18, .	1.5	19
2	The human posterior parietal cortex: effective connectome, and its relation to function. Cerebral Cortex, 2023, 33, 3142-3170.	1.6	21
3	Multiple cortical visual streams in humans. Cerebral Cortex, 2023, 33, 3319-3349.	1.6	23
4	Association between parental age, brain structure, and behavioral and cognitive problems in children. Molecular Psychiatry, 2022, 27, 967-975.	4.1	5
5	An extended Human Connectome Project multimodal parcellation atlas of the human cortex and subcortical areas. Brain Structure and Function, 2022, 227, 763-778.	1.2	51
6	The effective connectivity of the human hippocampal memory system. Cerebral Cortex, 2022, 32, 3706-3725.	1.6	28
7	Extensive cortical functional connectivity of the human hippocampal memory system. Cortex, 2022, 147, 83-101.	1.1	20
8	Risk-taking in humans and the medial orbitofrontal cortex reward system. NeuroImage, 2022, 249, 118893.	2.1	10
9	The human orbitofrontal cortex, vmPFC, and anterior cingulate cortex effective connectome: emotion, memory, and action. Cerebral Cortex, 2022, 33, 330-356.	1.6	43
10	Dopamine depletion and subcortical dysfunction disrupt cortical synchronization and metastability affecting cognitive function in Parkinson's disease. Human Brain Mapping, 2022, 43, 1598-1610.	1.9	7
11	Brain functional connectivities that mediate the association between childhood traumatic events, and adult mental health and cognition. EBioMedicine, 2022, 79, 104002.	2.7	4
12	Longer screen time utilization is associated with the polygenic risk for Attention-deficit/hyperactivity disorder with mediation by brain white matter microstructure. EBioMedicine, 2022, 80, 104039.	2.7	15
13	Face Processing in Different Brain Areas and Face Recognition. , 2022, , 2583-2593.		0
14	The human language effective connectome. NeuroImage, 2022, 258, 119352.	2.1	34
15	Sleep, physical activity, sedentary behavior, and risk of incident dementia: a prospective cohort study of 431,924 UK Biobank participants. Molecular Psychiatry, 2022, 27, 4343-4354.	4.1	29
16	Sleep duration, brain structure, and psychiatric and cognitive problems in children. Molecular Psychiatry, 2021, 26, 3992-4003.	4.1	95
17	Reward Versus Nonreward Sensitivity of the Medial Versus Lateral Orbitofrontal Cortex Relates to the Severity of Depressive Symptoms. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 259-269.	1.1	23
18	Brain dynamics: the temporal variability of connectivity, and differences in schizophrenia and ADHD. Translational Psychiatry, 2021, 11, 70.	2.4	35

#	Article	IF	Citations
19	The neuroscience of emotional disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 183, 1-26.	1.0	46
20	Brain dynamics: Synchronous peaks, functional connectivity, and its temporal variability. Human Brain Mapping, 2021, 42, 2790-2801.	1.9	15
21	Neurons including hippocampal spatial view cells, and navigation in primates including humans. Hippocampus, 2021, 31, 593-611.	0.9	24
22	Attractor cortical neurodynamics, schizophrenia, and depression. Translational Psychiatry, 2021, 11, 215.	2.4	21
23	A Neuroscience Levels of Explanation Approach to the Mind and the Brain. Frontiers in Computational Neuroscience, 2021, 15, 649679.	1.2	5
24	Extensive Cortical Connectivity of the Human Hippocampal Memory System: Beyond the â€œWhatâ€•and â€œWhereâ€•Dual Stream Model. Cerebral Cortex, 2021, 31, 4652-4669.	1.6	37
25	Functional Connectome Prediction of Anxiety Related to the COVID-19 Pandemic. American Journal of Psychiatry, 2021, 178, 530-540.	4.0	46
26	Brain structure is linked to the association between family environment and behavioral problems in children in the ABCD study. Nature Communications, 2021, 12, 3769.	5.8	31
27	Orbitofrontal Cortex Connectivity is Associated With Food Reward and Body Weight in Humans. Social Cognitive and Affective Neuroscience, 2021, , .	1.5	10
28	Mind Causality: A Computational Neuroscience Approach. Frontiers in Computational Neuroscience, 2021, 15, 706505.	1.2	13
29	Learning Invariant Object and Spatial View Representations in the Brain Using Slow Unsupervised Learning. Frontiers in Computational Neuroscience, 2021, 15, 686239.	1.2	18
30	The connections of neocortical pyramidal cells can implement the learning of new categories, attractor memory, and topâ€“down recall and attention. Brain Structure and Function, 2021, 226, 2523-2536.	1.2	5
31	On pattern separation in the primate, including human, hippocampus. Trends in Cognitive Sciences, 2021, 25, 920-922.	4.0	12
32	The texture and taste of food in the brain. Journal of Texture Studies, 2020, 51, 23-44.	1.1	28
33	Automated anatomical labelling atlas 3. NeuroImage, 2020, 206, 116189.	2.1	777
34	Predicting human inhibitory control from brain structural MRI. Brain Imaging and Behavior, 2020, 14, 2148-2158.	1.1	18
35	Spatial coordinate transforms linking the allocentric hippocampal and egocentric parietal primate brain systems for memory, action in space, and navigation. Hippocampus, 2020, 30, 332-353.	0.9	27
36	Effective connectivity in autism. Autism Research, 2020, 13, 32-44.	2.1	34

#	Article	IF	Citations
37	Functional connectivity of the orbitofrontal cortex, anterior cingulate cortex, and inferior frontal gyrus in humans. Cortex, 2020, 123, 185-199.	1.1	84
38	Hypertension is associated with reduced hippocampal connectivity and impaired memory. EBioMedicine, 2020, 61, 103082.	2.7	23
39	Rapid Rule-Based Reward Reversal and the Lateral Orbitofrontal Cortex. Cerebral Cortex Communications, 2020, 1, tgaa087.	0.7	38
40	Association of specific biotypes in patients with Parkinson disease and disease progression. Neurology, 2020, 95, e1445-e1460.	1.5	22
41	Severe nausea and vomiting in pregnancy: psychiatric and cognitive problems and brain structure in children. BMC Medicine, 2020, 18, 228.	2.3	15
42	Connections of the Human Orbitofrontal Cortex and Inferior Frontal Gyrus. Cerebral Cortex, 2020, 30, 5830-5843.	1.6	33
43	Functional connectivity of the right inferior frontal gyrus and orbitofrontal cortex in depression. Social Cognitive and Affective Neuroscience, 2020, 15, 75-86.	1.5	81
44	Acute and Chronic Effects of Betel Quid Chewing on Brain Functional Connectivity. Frontiers in Psychiatry, 2020, 11, 198.	1.3	9
45	Beyond the disconnectivity hypothesis of schizophrenia. Cerebral Cortex, 2020, 30, 1213-1233.	1.6	27
46	Sensation-seeking is related to functional connectivities of the medial orbitofrontal cortex with the anterior cingulate cortex. NeuroImage, 2020, 215, 116845.	2.1	14
47	Neural Computations Underlying Phenomenal Consciousness: A Higher Order Syntactic Thought Theory. Frontiers in Psychology, 2020, 11, 655.	1.1	20
48	The orbitofrontal cortex: reward, emotion and depression. Brain Communications, 2020, 2, fcaa196.	1.5	169
49	Brain Computations. , 2020, , .		8
50	Flavor Processing in the Brain. , 2020, , 298-317.		0
51	The Generation of Time in the Hippocampal Memory System. Cell Reports, 2019, 28, 1649-1658.e6.	2.9	50
52	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
53	The cingulate cortex and limbic systems for action, emotion, and memory. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 166, 23-37.	1.0	102
54	The cingulate cortex and limbic systems for emotion, action, and memory. Brain Structure and Function, 2019, 224, 3001-3018.	1.2	402

#	Article	IF	Citations
55	Analysis of Biased Competition and Cooperation for Attention in the Cerebral Cortex. Frontiers in Computational Neuroscience, 2019, 13, 51.	1.2	3
56	Brain annotation toolbox: exploring the functional and genetic associations of neuroimaging results. Bioinformatics, 2019, 35, 3771-3778.	1.8	24
57	Attractor Network Dynamics, Transmitters, and Memory and Cognitive Changes in Aging. , 2019, , 203-225.		31
58	A powerful and efficient multivariate approach for voxel-level connectome-wide association studies. NeuroImage, 2019, 188, 628-641.	2.1	8
59	Functional Connectivity of the Anterior Cingulate Cortex in Depression and in Health. Cerebral Cortex, 2019, 29, 3617-3630.	1.6	79
60	Multi-scale analysis of schizophrenia risk genes, brain structure, and clinical symptoms reveals integrative clues for subtyping schizophrenia patients. Journal of Molecular Cell Biology, 2019, 11, 678-687.	1.5	9
61	The orbitofrontal cortex and emotion in health and disease, including depression. Neuropsychologia, 2019, 128, 14-43.	0.7	206
62	Verbal Creativity Correlates with the Temporal Variability of Brain Networks During the Resting State. Cerebral Cortex, 2019, 29, 1047-1058.	1.6	94
63	The Orbitofrontal Cortex. , 2019, , .		44
64	The orbitofrontal cortex, depression, and other mental disorders. , 2019, , 191-227.		1
65	Emotion and reasoning in human decision-making. Economics, 2019, 13, .	0.2	32
66	Decreased brain connectivity in smoking contrasts with increased connectivity in drinking. ELife, 2019, 8, .	2.8	38
67	The orbitofrontal cortex and emotion. , 2019, , 165-190.		1
68	Neural and genetic determinants of creativity. NeuroImage, 2018, 174, 164-176.	2.1	57
69	Increased functional connectivity of the posterior cingulate cortex with the lateral orbitofrontal cortex in depression. Translational Psychiatry, 2018, 8, 90.	2.4	79
70	The storage and recall of memories in the hippocampo-cortical system. Cell and Tissue Research, 2018, 373, 577-604.	1.5	129
71	Non-accidental properties, metric invariance, and encoding by neurons in a model of ventral stream visual object recognition, VisNet. Neurobiology of Learning and Memory, 2018, 152, 20-31.	1.0	2
72	Effective Connectivity in Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 187-197.	1.1	42

#	Article	IF	Citations
73	Spatial representations in the primate hippocampus, and their functions in memory and navigation. Progress in Neurobiology, 2018, 171, 90-113.	2.8	117
74	The Neuronal Encoding of Oral Fat by the Coefficient of Sliding Friction in the Cerebral Cortex and Amygdala. Cerebral Cortex, 2018, 28, 4080-4089.	1.6	21
75	Functional connectivity of the human amygdala in health and in depression. Social Cognitive and Affective Neuroscience, 2018, 13, 557-568.	1.5	51
76	Functional Connectivity of the Precuneus in Unmedicated Patients With Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 1040-1049.	1.1	46
77	Functional Connectivities in the Brain That Mediate the Association Between Depressive Problems and Sleep Quality. JAMA Psychiatry, 2018, 75, 1052.	6.0	165
78	Cognitive Informatics and Computational Intelligence. , 2018, , 278-295.		0
79	The Neuroscience of Purpose, Meaning, and Morals. , 2018, , .		0
80	Brain-Wide Analysis of Functional Connectivity in First-Episode and Chronic Stages of Schizophrenia. Schizophrenia Bulletin, 2017, 43, sbw099.	2.3	142
81	The roles of the orbitofrontal cortex via the habenula in non-reward and depression, and in the responses of serotonin and dopamine neurons. Neuroscience and Biobehavioral Reviews, 2017, 75, 331-334.	2.9	46
82	A scientific theory of Ars Memoriae: Spatial view cells in a continuous attractor network with linked items. Hippocampus, 2017, 27, 570-579.	0.9	13
83	Separate neural systems for behavioral change and for emotional responses to failure during behavioral inhibition. Human Brain Mapping, 2017, 38, 3527-3537.	1.9	35
84	Neurobiological foundations of aesthetics and art. New Ideas in Psychology, 2017, 47, 121-135.	1.2	25
85	Functional connectivity decreases in autism in emotion, self, and face circuits identified by Knowledge-based Enrichment Analysis. NeuroImage, 2017, 148, 169-178.	2.1	52
86	Computations in the deep vs superficial layers of the cerebral cortex. Neurobiology of Learning and Memory, 2017, 145, 205-221.	1.0	12
87	Evolution of the Emotional Brain. , 2017, , 251-272.		29
88	Individual differences in schizophrenia. BJPsych Open, 2017, 3, 265-273.	0.3	8
89	Cortical coding. Language, Cognition and Neuroscience, 2017, 32, 316-329.	0.7	17
90	Generalized reduced rank latent factor regression for high dimensional tensor fields, and neuroimaging-genetic applications. NeuroImage, 2017, 144, 35-57.	2.1	9

#	Article	IF	Citations
91	Computational Models of Hippocampal Functions â˜†. , 2017, , 557-578.		0
92	Flavor Physiology â˜†. , 2017, , .		0
93	Face processing in different brain areas and face recognition. , 2017, , 1-11.		0
94	Flavor: Brain processing. , 2016, , 143-160.		1
95	Reward Systems in the Brain and Nutrition. Annual Review of Nutrition, 2016, 36, 435-470.	4.3	69
96	A non-reward attractor theory of depression. Neuroscience and Biobehavioral Reviews, 2016, 68, 47-58.	2.9	138
97	Motivation Explained. Advances in Motivation Science, 2016, 3, 187-249.	2.2	7
98	Non-reward neural mechanisms in the orbitofrontal cortex. Cortex, 2016, 83, 27-38.	1.1	14
99	Medial reward and lateral non-reward orbitofrontal cortex circuits change in opposite directions in depression. Brain, 2016, 139, 3296-3309.	3.7	224
100	Pattern separation and pattern completion in the hippocampal system. Introduction to the Special Issue. Neurobiology of Learning and Memory, 2016, 129, 1-3.	1.0	8
101	Functions of the anterior insula in taste, autonomic, and related functions. Brain and Cognition, 2016, 110, 4-19.	0.8	116
102	Pattern separation, completion, and categorisation in the hippocampus and neocortex. Neurobiology of Learning and Memory, 2016, 129, 4-28.	1.0	160
103	Brain Processing of Reward for Touch, Temperature, and Oral Texture. , 2016, , 209-225.		29
104	Pattern Completion and Pattern Separation Mechanisms in the Hippocampus. , 2016, , 77-113.		4
105	Invariant visual object recognition: biologically plausible approaches. Biological Cybernetics, 2015, 109, 505-535.	0.6	29
106	Cognitive Informatics and Computational Intelligence. International Journal of Software Science and Computational Intelligence, 2015, 7, 50-69.	1.8	18
107	Emotion, Neural Basis of. , 2015, , 477-482.		1
108	Networks for memory, perception, and decision-making, and beyond to how the syntax for language might be implemented in the brain. Brain Research, 2015, 1621, 316-334.	1.1	26

#	Article	IF	Citations
109	Autism: reduced connectivity between cortical areas involved in face expression, theory of mind, and the sense of self. Brain, 2015, 138, 1382-1393.	3.7	220
110	Stochastic cortical neurodynamics underlying the memory and cognitive changes in aging. Neurobiology of Learning and Memory, 2015, 118, 150-161.	1.0	30
111	A computational theory of hippocampal function, and tests of the theory: New developments. Neuroscience and Biobehavioral Reviews, 2015, 48, 92-147.	2.9	264
112	Taste and Smell, Psychology of. , 2015, , 26-31.		2
113	Diluted connectivity in pattern association networks facilitates the recall of information from the hippocampus to the neocortex. Progress in Brain Research, 2015, 219, 21-43.	0.9	17
114	Taste, olfactory, and food reward value processing in the brain. Progress in Neurobiology, 2015, 127-128, 64-90.	2.8	199
115	Age differences in the brain mechanisms of good taste. NeuroImage, 2015, 113, 298-309.	2.1	37
116	Implementation of a new parcellation of the orbitofrontal cortex in the automated anatomical labeling atlas. NeuroImage, 2015, 122, 1-5.	2.1	475
117	The neuronal representation of information in the human brain. Brain, 2015, 138, 3459-3462.	3.7	3
118	Emotion and decision-making explained: Response to commentators. Cortex, 2015, 62, 203-210.	1.1	13
119	Limbic systems for emotion and for memory, but no single limbic system. Cortex, 2015, 62, 119-157.	1.1	268
120	Deformation-specific and deformation-invariant visual object recognition: pose vs. identity recognition of people and deforming objects. Frontiers in Computational Neuroscience, 2014, 8, 37.	1.2	10
121	Finding and recognizing objects in natural scenes: complementary computations in the dorsal and ventral visual systems. Frontiers in Computational Neuroscience, 2014, 8, 85.	1.2	21
122	Altered functional connectivity links in neuroleptic-naÃ¯ve and neuroleptic-treated patients with schizophrenia, and their relation to symptoms including volition. NeuroImage: Clinical, 2014, 6, 463-474.	1.4	24
123	Neuroculture: art, aesthetics, and the brain. Rendiconti Lincei, 2014, 25, 291-307.	1.0	8
124	Decision making mechanisms in the brain. , 2014, , .		0
125	Taste and olfactory status in a gourmand with a right amygdala lesion. Neurocase, 2014, 20, 421-433.	0.2	5
126	Emotion and decision-making explained: A prÃ©cis. Cortex, 2014, 59, 185-193.	1.1	88

#	Article	IF	Citations
127	The representation of oral fat texture in the human somatosensory cortex. Human Brain Mapping, 2014, 35, 2521-2530.	1.9	45
128	Brain mechanisms for perceptual and reward-related decision-making. Progress in Neurobiology, 2013, 103, 194-213.	2.8	133
129	Attention-Dependent Modulation of Cortical Taste Circuits Revealed by Granger Causality with Signal-Dependent Noise. PLoS Computational Biology, 2013, 9, e1003265.	1.5	51
130	A quantitative theory of the functions of the hippocampal CA3 network in memory. Frontiers in Cellular Neuroscience, 2013, 7, 98.	1.8	86
131	What are Emotional States, and Why Do We Have Them?. Emotion Review, 2013, 5, 241-247.	2.1	52
132	Increased neuronal firing in resting and sleep in areas of the macaque medial prefrontal cortex. European Journal of Neuroscience, 2013, 37, 1737-1746.	1.2	15
133	Path Integration of Head Direction: Updating a Packet of Neural Activity at the Correct Speed Using Axonal Conduction Delays. PLoS ONE, 2013, 8, e58330.	1.1	12
134	A biased activation theory of the cognitive and attentional modulation of emotion. Frontiers in Human Neuroscience, 2013, 7, 74.	1.0	47
135	Holding Multiple Items in Short Term Memory: A Neural Mechanism. PLoS ONE, 2013, 8, e61078.	1.1	41
136	The mechanisms for pattern completion and pattern separation in the hippocampus. Frontiers in Systems Neuroscience, 2013, 7, 74.	1.2	335
137	On the Relation between the Mind and the Brain: A Neuroscience Perspective. Philosophia Scientiae, 2013, , 31-70.	0.1	1
138	Taste, olfactory and food texture reward processing in the brain and the control of appetite. Proceedings of the Nutrition Society, 2012, 71, 488-501.	0.4	98
139	Advantages of dilution in the connectivity of attractor networks in the brain. Biologically Inspired Cognitive Architectures, 2012, 1, 44-54.	0.9	23
140	Componential Granger causality, and its application to identifying the source and mechanisms of the topâ€“down biased activation that controls attention to affective vs sensory processing. NeuroImage, 2012, 59, 1846-1858.	2.1	47
141	Invariant Visual Object and Face Recognition: Neural and Computational Bases, and a Model, VisNet. Frontiers in Computational Neuroscience, 2012, 6, 35.	1.2	90
142	Willed action, free will, and the stochastic neurodynamics of decision-making. Frontiers in Integrative Neuroscience, 2012, 6, 68.	1.0	9
143	Chemosensory learning and memory. Frontiers in Systems Neuroscience, 2012, 6, 73.	1.2	1
144	The Emotional Systems. , 2012, , 1328-1350.		5

#	Article	IF	Citations
145	Cognitive dysfunction in psychiatric disorders: characteristics, causes and the quest for improved therapy. Nature Reviews Drug Discovery, 2012, 11, 141-168.	21.5	960
146	Mechanisms for Sensing Fat in Food in the Mouth*. Journal of Food Science, 2012, 77, S140-2.	1.5	16
147	Cortical attractor network dynamics with diluted connectivity. Brain Research, 2012, 1434, 212-225.	1.1	23
148	Glutamate, obsessiveâ€“compulsive disorder, schizophrenia, and the stability of cortical attractor neuronal networks. Pharmacology Biochemistry and Behavior, 2012, 100, 736-751.	1.3	33
149	Communication before coherence. European Journal of Neuroscience, 2012, 36, 2689-2709.	1.2	18
150	A hedonically complex odor mixture produces an attentional capture effect in the brain. NeuroImage, 2011, 55, 832-843.	2.1	43
151	Value, pleasure and choice in the ventral prefrontal cortex. Trends in Cognitive Sciences, 2011, 15, 56-67.	4.0	624
152	The neuronal encoding of information in the brain. Progress in Neurobiology, 2011, 95, 448-490.	2.8	216
153	Prediction of Decisions from Noise in the Brain before the Evidence is Provided. Frontiers in Neuroscience, 2011, 5, 33.	1.4	25
154	Chemosensory Learning in the Cortex. Frontiers in Systems Neuroscience, 2011, 5, 78.	1.2	26
155	THE NEURAL REPRESENTATION OF ORAL TEXTURE INCLUDING FAT TEXTURE. Journal of Texture Studies, 2011, 42, 137-156.	1.1	45
156	Taste, olfactory and food texture reward processing in the brain and obesity. International Journal of Obesity, 2011, 35, 550-561.	1.6	143
157	Computational mechanism of postponed decisions. BMC Neuroscience, 2011, 12, .	0.8	0
158	A computational neuroscience approach to schizophrenia and its onset. Neuroscience and Biobehavioral Reviews, 2011, 35, 1644-1653.	2.9	50
159	Neural and computational mechanisms of postponed decisions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11626-11631.	3.3	19
160	Consciousness, Decision-Making and Neural Computation. , 2011, , 287-333.		43
161	The Origins of Aesthetics: A Neurobiological Basis for Affective Feelings and Aesthetics. , 2011, , 116-165.		8
162	Face Neurons. , 2011, , .		2

#	Article	IF	Citations
163	Noise in Attractor Networks in the Brain Produced by Graded Firing Rate Representations. PLoS ONE, 2011, 6, e23630.	1.1	15
164	Continuous transformation learning of translation invariant representations. Experimental Brain Research, 2010, 204, 255-270.	0.7	16
165	The Representation of Information About Taste and Odor in the Orbitofrontal Cortex. Chemosensory Perception, 2010, 3, 16-33.	0.7	69
166	The affective and cognitive processing of touch, oral texture, and temperature in the brain. Neuroscience and Biobehavioral Reviews, 2010, 34, 237-245.	2.9	109
167	Attractor networks. Wiley Interdisciplinary Reviews: Cognitive Science, 2010, 1, 119-134.	1.4	59
168	Taste, Olfactory and Food-texture Processing in the Brain and the Control of Appetite. , 2010, , 41-56.		7
169	Confidence-Related Decision Making. Journal of Neurophysiology, 2010, 104, 539-547.	0.9	70
170	Synaptic dynamics and decision making. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7545-7549.	3.3	67
171	Decision Time, Slow Inhibition, and Theta Rhythm. Journal of Neuroscience, 2010, 30, 14173-14181.	1.7	23
172	Decision-Making, Errors, and Confidence in the Brain. Journal of Neurophysiology, 2010, 104, 2359-2374.	0.9	105
173	How the Brain Represents the Reward Value of Fat in the Mouth. Cerebral Cortex, 2010, 20, 1082-1091.	1.6	166
174	Neural Systems Underlying Decisions about Affective Odors. Journal of Cognitive Neuroscience, 2010, 22, 1069-1082.	1.1	78
175	Attentional Modulation of Affective Versus Sensory Processing: Functional Connectivity and a Top-Down Biased Activation Theory of Selective Attention. Journal of Neurophysiology, 2010, 104, 1649-1660.	0.9	57
176	A common neural scale for the subjective pleasantness of different primary rewards. NeuroImage, 2010, 51, 1265-1274.	2.1	66
177	Choice, difficulty, and confidence in the brain. NeuroImage, 2010, 53, 694-706.	2.1	127
178	A computational theory of episodic memory formation in the hippocampus. Behavioural Brain Research, 2010, 215, 180-196.	1.2	215
179	Noise in the brain, decision-making, determinism, free will, and consciousness. Advances in Consciousness Research, 2010, , 113-120.	0.2	29
180	From reward value to decision-making. , 2009, , 97-133.		5

#	Article	IF	Citations
181	Prediction of Subjective Affective State From Brain Activations. Journal of Neurophysiology, 2009, 101, 1294-1308.	0.9	45
182	Functional neuroimaging of umami taste: what makes umami pleasant?. American Journal of Clinical Nutrition, 2009, 90, 804S-813S.	2.2	91
183	Neuronal activity related to long-term memory. Acta Neurologica Scandinavica, 2009, 64, 121-127.	1.0	5
184	Stochastic dynamics as a principle of brain function. Progress in Neurobiology, 2009, 88, 1-16.	2.8	248
185	Different representations of relative and absolute subjective value in the human brain. NeuroImage, 2009, 48, 258-268.	2.1	67
186	Neural Representation of Fat Texture in the Mouth. Frontiers in Neuroscience, 2009, , 197-223.	0.0	6
187	Stochastic Dynamics in the Brain and Probabilistic Decision-Making. Lecture Notes in Computer Science, 2009, , 31-50.	1.0	2
188	Face processing in different brain areas, and critical band masking. Journal of Neuropsychology, 2008, 2, 325-360.	0.6	26
189	Computational models of schizophrenia and dopamine modulation in the prefrontal cortex. Nature Reviews Neuroscience, 2008, 9, 696-709.	4.9	333
190	Selective attention to affective value alters how the brain processes taste stimuli. European Journal of Neuroscience, 2008, 27, 723-729.	1.2	171
191	An attractor hypothesis of obsessiveâ€“compulsive disorder. European Journal of Neuroscience, 2008, 28, 782-793.	1.2	70
192	Spatial scene representations formed by selfâ€organizing learning in a hippocampal extension of the ventral visual system. European Journal of Neuroscience, 2008, 28, 2116-2127.	1.2	28
193	From affective value to decisionâ€making in the prefrontal cortex. European Journal of Neuroscience, 2008, 28, 1930-1939.	1.2	109
194	The orbitofrontal cortex and beyond: From affect to decision-making. Progress in Neurobiology, 2008, 86, 216-244.	2.8	702
195	Warm pleasant feelings in the brain. NeuroImage, 2008, 41, 1504-1513.	2.1	194
196	Acceleration. , 2008, , 4-4.		0
197	Functions of the orbitofrontal and pregenual cingulate cortex in taste, olfaction, appetite and emotion. Acta Physiologica Hungarica, 2008, 95, 131-164.	0.9	166
198	Selective Attention to Affective Value Alters How the Brain Processes Olfactory Stimuli. Journal of Cognitive Neuroscience, 2008, 20, 1815-1826.	1.1	99

#	Article	IF	Citations
199	Cognitive influences on the affective representation of touch and the sight of touch in the human brain. Social Cognitive and Affective Neuroscience, 2008, 3, 97-108.	1.5	205
200	How Cognition Modulates Affective Responses to Taste and Flavor: Top-down Influences on the Orbitofrontal and Pregenual Cingulate Cortices. Cerebral Cortex, 2008, 18, 1549-1559.	1.6	274
201	Expected Value, Reward Outcome, and Temporal Difference Error Representations in a Probabilistic Decision Task. Cerebral Cortex, 2008, 18, 652-663.	1.6	205
202	Top â€" Down Control of Visual Perception: Attention in Natural Vision. Perception, 2008, 37, 333-354.	0.5	59
203	Chapter 4.2 The primate hippocampus and episodic memory. Handbook of Behavioral Neuroscience, 2008, , 417-626.	0.7	29
204	Neural Mechanisms of Visual Memory: A Neurocomputational Perspective. , 2008, , 247-290.		3
205	Emotion, higher-order syntactic thoughts, and consciousness. , 2008, , 131-168.		35
206	Spatial View Cells in the Primate Hippocampus, and Memory. , 2008, , 192-217.		0
207	A Neurobiological Approach to Emotional Intelligence. , 2008, , 72-100.		2
208	How Pleasant and Unpleasant Stimuli Combine in Different Brain Regions: Odor Mixtures. Journal of Neuroscience, 2007, 27, 13532-13540.	1.7	180
209	Invariant Global Motion Recognition in the Dorsal Visual System: A Unifying Theory. Neural Computation, 2007, 19, 139-169.	1.3	27
210	A Dynamical Systems Hypothesis of Schizophrenia. PLoS Computational Biology, 2007, 3, e228.	1.5	137
211	Invariant object recognition with trace learning and multiple stimuli present during training. Network: Computation in Neural Systems, 2007, 18, 161-187.	2.2	29
212	Sensory processing in the brain related to the control of food intake. Proceedings of the Nutrition Society, 2007, 66, 96-112.	0.4	173
213	Human cortical representation of oral temperature. Physiology and Behavior, 2007, 92, 975-984.	1.0	111
214	An attractor network in the hippocampus: Theory and neurophysiology. Learning and Memory, 2007, 14, 714-731.	0.5	197
215	Decision-making mechanisms in the brain. AIP Conference Proceedings, 2007, , .	0.3	0
216	A computational neuroscience approach to consciousness. Neural Networks, 2007, 20, 962-982.	3.3	43

#	Article	IF	Citations
217	Umami: a delicious flavor formed by convergence of taste and olfactory pathways in the human brain. European Journal of Neuroscience, 2007, 25, 1855-1864.	1.2	197
218	Enhanced affective brain representations of chocolate in cravers vs. nonâ€cravers. European Journal of Neuroscience, 2007, 26, 1067-1076.	1.2	161
219	The symptoms of schizophrenia related to the stability of attractor networks. BMC Neuroscience, 2007, 8, .	0.8	0
220	Hierarchical dynamical models of motor function. Neurocomputing, 2007, 70, 975-990.	3.5	8
221	The representation of information about faces in the temporal and frontal lobes. Neuropsychologia, 2007, 45, 124-143.	0.7	140
222	Neuronal selectivity, population sparseness, and ergodicity in the inferior temporal visual cortex. Biological Cybernetics, 2007, 96, 547-560.	0.6	73
223	Computational Neuroscience and Cognitive Brain Functions. , 2007, , 153-167.		0
224	Invariant Representations of Objects in Natural Scenes in the Temporal Cortex Visual Areas. , 2007, , 47-102.		26
225	Computations in memory systems in the brain. , 2007, , 191-242.		0
226	Entorhinal cortex grid cells can map to hippocampal place cells by competitive learning. Network: Computation in Neural Systems, 2006, 17, 447-465.	2.2	193
227	Neurophysiological and computational analyses of the primate presubiculum, subiculum and related areas. Behavioural Brain Research, 2006, 174, 289-303.	1.2	7
228	Brain mechanisms of emotion and decision-making. International Congress Series, 2006, 1291, 3-13.	0.2	17
229	A computational theory of hippocampal function, and empirical tests of the theory. Progress in Neurobiology, 2006, 79, 1-48.	2.8	557
230	Decisionâ€making and Weber's law: a neurophysiological model. European Journal of Neuroscience, 2006, 24, 901-916.	1.2	143
231	Attention in natural scenes: Neurophysiological and computational bases. Neural Networks, 2006, 19, 1383-1394.	3.3	36
232	Learning invariant object recognition in the visual system with continuous transformations. Biological Cybernetics, 2006, 94, 128-142.	0.6	66
233	Face-selective and auditory neurons in the primate orbitofrontal cortex. Experimental Brain Research, 2006, 170, 74-87.	0.7	121
234	Spatial vs temporal continuity in view invariant visual object recognition learning. Vision Research, 2006, 46, 3994-4006.	0.7	35

#	Article	IF	Citations
235	Information in the first spike, the order of spikes, and the number of spikes provided by neurons in the inferior temporal visual cortex. Vision Research, 2006, 46, 4193-4205.	0.7	31
236	Invariant visual object recognition: A model, with lighting invariance. Journal of Physiology (Paris), 2006, 100, 43-62.	2.1	68
237	Spatial View Cells in the Primate Hippocampus and Memory Recall. Reviews in the Neurosciences, 2006, 17, 175-200.	1.4	88
238	Brain mechanisms underlying flavour and appetite. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 1123-1136.	1.8	202
239	Self-organizing path integration using a linked continuous attractor and competitive network: Path integration of head direction. Network: Computation in Neural Systems, 2006, 17, 419-445.	2.2	21
240	Advanced Neuroscience Technologies. , 2006, , 263-282.		2
241	The neurophysiology and functions of the orbitofrontal cortex. , 2006, , 95-124.		42
242	Spatial view cells in the hippocampus, and their idiothetic update based on place and head direction. Neural Networks, 2005, 18, 1229-1241.	3.3	38
243	Scene perception: inferior temporal cortex neurons encode the positions of different objects in the scene. European Journal of Neuroscience, 2005, 22, 2903-2916.	1.2	61
244	Object Perception in Natural Scenes: Encoding by Inferior Temporal Cortex Simultaneously Recorded Neurons. Journal of Neurophysiology, 2005, 93, 1342-1357.	0.9	61
245	Neurodynamics of Biased Competition and Cooperation for Attention: A Model With Spiking Neurons. Journal of Neurophysiology, 2005, 94, 295-313.	0.9	215
246	Taste and Related Systems in Primates Including Humans. Chemical Senses, 2005, 30, i76-i77.	1.1	18
247	Sequential Memory: A Putative Neural and Synaptic Dynamical Mechanism. Journal of Cognitive Neuroscience, 2005, 17, 294-307.	1.1	56
248	Object, Space, and Object-Space Representations in the Primate Hippocampus. Journal of Neurophysiology, 2005, 94, 833-844.	0.9	127
249	Reward-Spatial View Representations and Learning in the Primate Hippocampus. Journal of Neuroscience, 2005, 25, 6167-6174.	1.7	115
250	Borderline Personality Disorder, Impulsivity, and the Orbitofrontal Cortex. American Journal of Psychiatry, 2005, 162, 2360-2373.	4.0	194
251	Neuronal Representations of Stimuli in the Mouth: The Primate Insular Taste Cortex, Orbitofrontal Cortex and Amygdala. Chemical Senses, 2005, 30, 401-419.	1.1	150
252	Taste, olfactory, and food texture processing in the brain, and the control of food intake. Physiology and Behavior, 2005, 85, 45-56.	1.0	360

#	Article	IF	Citations
253	Attention, short-term memory, and action selection: A unifying theory. Progress in Neurobiology, 2005, 76, 236-256.	2.8	293
254	Cognitive Modulation of Olfactory Processing. Neuron, 2005, 46, 671-679.	3.8	507
255	The primate amygdala: Neuronal representations of the viscosity, fat texture, temperature, grittiness and taste of foods. Neuroscience, 2005, 132, 33-48.	1.1	87
256	The primate amygdala and reinforcement: A dissociation between rule-based and associatively-mediated memory revealed in neuronal activity. Neuroscience, 2005, 133, 1061-1072.	1.1	35
257	Self-organizing continuous attractor network models of hippocampal spatial view cells. Neurobiology of Learning and Memory, 2005, 83, 79-92.	1.0	47
258	Novel visual stimuli activate a population of neurons in the primate orbitofrontal cortex. Neurobiology of Learning and Memory, 2005, 84, 111-123.	1.0	53
259	A Neurodynamical Model of Visual Attention. , 2005, , 593-599.		10
260	The Role of Short-Term Memory in Visual Attention. , 2005, , 610-617.		4
261	What Are Emotions, Why Do We Have Emotions, and What Is Their Computational Basis in the Brain?. , 2005, , 117-146.		14
262	Consciousness absent and present: a neurophysiological exploration. Progress in Brain Research, 2004, 144, 95-106.	0.9	47
263	â€œWhatâ€•and â€œWhereâ€•in Visual Working Memory: A Computational Neurodynamical Perspective for Integrating fMRI and Single-Neuron Data. Journal of Cognitive Neuroscience, 2004, 16, 683-701.	1.1	113
264	Synaptic and Spiking Dynamics underlying Reward Reversal in the Orbitofrontal Cortex. Cerebral Cortex, 2004, 15, 15-30.	1.6	102
265	Representation in the Human Brain of Food Texture and Oral Fat. Journal of Neuroscience, 2004, 24, 3086-3093.	1.7	324
266	Time Perception, Impulsivity, Emotionality, and Personality in Self-Harming Borderline Personality Disorder Patients. Journal of Personality Disorders, 2004, 18, 358-378.	0.8	80
267	Methamphetamine Activates Reward Circuitry in Drug NaÃ¯ve Human Subjects. Neuropsychopharmacology, 2004, 29, 1715-1722.	2.8	140
268	Smell, Taste, Texture, and Temperature Multimodal Representations in the Brain, and Their Relevance to the Control of Appetite. Nutrition Reviews, 2004, 62, S193-S204.	2.6	42
269	Integrating fMRI and single-cell data of visual working memory. Neurocomputing, 2004, 58-60, 729-737.	3.5	9
270	Information encoding in the inferior temporal visual cortex: contributions of the firing rates and the correlations between the firing of neurons. Biological Cybernetics, 2004, 90, 19-32.	0.6	48

#	Article	IF	Citations
271	The use of decoding to analyze the contribution to the information of the correlations between the firing of simultaneously recorded neurons. Experimental Brain Research, 2004, 155, 370-384.	0.7	41
272	Convergence of sensory systems in the orbitofrontal cortex in primates and brain design for emotion. The Anatomical Record, 2004, 281A, 1212-1225.	2.3	128
273	Impulsivity, time perception, emotion and reinforcement sensitivity in patients with orbitofrontal cortex lesions. Brain, 2004, 127, 1108-1126.	3.7	441
274	Reward-related Reversal Learning after Surgical Excisions in Orbito-frontal or Dorsolateral Prefrontal Cortex in Humans. Journal of Cognitive Neuroscience, 2004, 16, 463-478.	1.1	550
275	A Neurodynamical cortical model of visual attention and invariant object recognition. Vision Research, 2004, 44, 621-642.	0.7	265
276	The functional neuroanatomy of the human orbitofrontal cortex: evidence from neuroimaging and neuropsychology. Progress in Neurobiology, 2004, 72, 341-372.	2.8	1,757
277	Orbitofrontal cortex: neuronal representation of oral temperature and capsaicin in addition to taste and texture. Neuroscience, 2004, 127, 207-221.	1.1	98
278	Taste-related activity in the human dorsolateral prefrontal cortex. NeuroImage, 2004, 21, 781-788.	2.1	136
279	The functions of the orbitofrontal cortex. Brain and Cognition, 2004, 55, 11-29.	0.8	1,057
280	Primate Insular/Opercular Taste Cortex: Neuronal Representations of the Viscosity, Fat Texture, Grittiness, Temperature, and Taste of Foods. Journal of Neurophysiology, 2004, 92, 1685-1699.	0.9	169
281	7. A higher order syntactic thought (HOST) theory of consciousness. Advances in Consciousness Research, 2004, , 137-172.	0.2	33
282	Smell, Taste, Texture, and Temperature Multimodal Representations in the Brain, and Their Relevance to the Control of Appetite. Nutrition Reviews, 2004, 62, 193-204.	2.6	21
283	Time perception, impulsivity, emotionality, and personality in self-harming borderline personality disorder patients. Journal of Personality Disorders, 2004, 18, 358-78.	0.8	44
284	A simple method for reconditioning epoxy-coated microelectrodes for extracellular single neuron recording. Journal of Neuroscience Methods, 2003, 123, 215-217.	1.3	16
285	Different representations of pleasant and unpleasant odours in the human brain. European Journal of Neuroscience, 2003, 18, 695-703.	1.2	525
286	Perirhinal cortex neuronal activity related to long-term familiarity memory in the macaque. European Journal of Neuroscience, 2003, 18, 2037-2046.	1.2	63
287	Taste-olfactory convergence, and the representation of the pleasantness of flavour, in the human brain. European Journal of Neuroscience, 2003, 18, 2059-2068.	1.2	517
288	Attention and working memory: a dynamical model of neuronal activity in the prefrontal cortex. European Journal of Neuroscience, 2003, 18, 2374-2390.	1.2	176

#	Article	IF	Citations
289	Neural correlates of rapid reversal learning in a simple model of human social interaction. NeuroImage, 2003, 20, 1371-1383.	2.1	264
290	Vision, emotion and memory: from neurophysiology to computation. International Congress Series, 2003, 1250, 547-573.	0.2	15
291	An Information Theoretic Approach to the Contributions of the Firing Rates and the Correlations Between the Firing of Neurons. Journal of Neurophysiology, 2003, 89, 2810-2822.	0.9	58
292	Human Cortical Responses to Water in the Mouth, and the Effects of Thirst. Journal of Neurophysiology, 2003, 90, 1865-1876.	0.9	302
293	Representations of the Texture of Food in the Primate Orbitofrontal Cortex: Neurons Responding to Viscosity, Grittiness, and Capsaicin. Journal of Neurophysiology, 2003, 90, 3711-3724.	0.9	139
294	Neurons in the Primate Orbitofrontal Cortex Respond to Fat Texture Independently of Viscosity. Journal of Neurophysiology, 2003, 90, 1514-1525.	0.9	142
295	The Receptive Fields of Inferior Temporal Cortex Neurons in Natural Scenes. Journal of Neuroscience, 2003, 23, 339-348.	1.7	156
296	Activity of Primate Subgenual Cingulate Cortex Neurons Is Related to Sleep. Journal of Neurophysiology, 2003, 90, 134-142.	0.9	56
297	Central Taste Anatomy and Neurophysiology. , 2003, , .		2
298	Brain mechanisms that analyse umami taste and their relation to the control of feeding. Forum of Nutrition, 2003, 56, 84-7.	3.7	2
299	Invariant Object Recognition in the Visual System with Novel Views of 3D Objects. Neural Computation, 2002, 14, 2585-2596.	1.3	85
300	A unified model of spatial and episodic memory. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1087-1093.	1.2	77
301	BRAIN MECHANISMS INVOLVED IN EMOTION. , 2002, , .		0
302	The Cortical Representation of Taste and Smell. , 2002, , 367-388.		9
303	Fast, Fully Automated Global and Local Magnetic Field Optimization for fMRI of the Human Brain. NeuroImage, 2002, 17, 967-976.	2.1	143
304	Perirhinal Cortex Neuronal Activity is Actively Related to Working Memory in the Macaque. Neural Plasticity, 2002, 9, 41-51.	1.0	25
305	Invariant recognition of feature combinations in the visual system. Biological Cybernetics, 2002, 86, 59-71.	0.6	55
306	Object-based visual neglect: a computational hypothesis. European Journal of Neuroscience, 2002, 16, 1994-2000.	1.2	34

#	Article	IF	Citations
307	The Functions of the Orbitofrontal Cortex. , 2002, , 354-375.		32
308	A THEORY OF EMOTION, ITS FUNCTIONS, AND ITS ADAPTIVE VALUE. , 2002, , .		4
309	Hippocampal Spatial Representations and Navigation in Primates. , 2002, , 183-195.		1
310	Fast, fully automated global and local magnetic field optimization for fMRI of the human brain. NeuroImage, 2002, 17, 967-76.	2.1	50
311	Selective Perceptual Impairments After Perirhinal Cortex Ablation. Journal of Neuroscience, 2001, 21, 9824-9836.	1.7	223
312	The representation of umami taste in the human and macaque cortex. Sensory Neuron, 2001, 3, 227-242.	0.2	2
313	Role of long-term synaptic modification in short-term memory. Hippocampus, 2001, 11, 240-250.	0.9	89
314	A view model which accounts for the spatial fields of hippocampal primate spatial view cells and rat place cells. Hippocampus, 2001, 11, 699-706.	0.9	53
315	Representations In The Brain. SynthÃˆse, 2001, 129, 153-171.	0.6	10
316	Abstract reward and punishment representations in the human orbitofrontal cortex. Nature Neuroscience, 2001, 4, 95-102.	7.1	1,799
317	A model of the IT-PF network in object working memory which includes balanced persistent activity and tuned inhibition. Neurocomputing, 2001, 38-40, 1525-1531.	3.5	47
318	The Rules of Formation of the Olfactory Representations Found in the Orbitofrontal Cortex Olfactory Areas in Primates. Chemical Senses, 2001, 26, 595-604.	1.1	122
319	Simulation Studies of the Speed of Recurrent Processing. Lecture Notes in Computer Science, 2001, , 320-332.	1.0	1
320	FUNCTIONS OF THE PRIMATE TEMPORAL LOBE CORTICAL VISUAL AREAS IN INVARIANT VISUAL OBJECT AND FACE RECOGNITION: COMPUTATIONAL MECHANISMS. , 2001, , .		0
321	The Representation of Umami Taste in the Taste Cortex. Journal of Nutrition, 2000, 130, 960S-965S.	1.3	68
322	PrÃ©cis of The brain and emotion. Behavioral and Brain Sciences, 2000, 23, 177-191.	0.4	341
323	Hippocampo-cortical and cortico-cortical backprojections. Hippocampus, 2000, 10, 380-388.	0.9	85
324	A recurrent model of transformation invariance by association. Neural Networks, 2000, 13, 225-237.	3.3	28

#	Article	IF	Citations
325	The Orbitofrontal Cortex and Reward. Cerebral Cortex, 2000, 10, 284-294.	1.6	1,375
326	A Model of Invariant Object Recognition in the Visual System: Learning Rules, Activation Functions, Lateral Inhibition, and Information-Based Performance Measures. Neural Computation, 2000, 12, 2547-2572.	1.3	181
327	On The brain and emotion. Behavioral and Brain Sciences, 2000, 23, 219-228.	0.4	71
328	On the design of neural networks in the brain by genetic evolution. Progress in Neurobiology, 2000, 61, 557-579.	2.8	63
329	Functions of the Primate Temporal Lobe Cortical Visual Areas in Invariant Visual Object and Face Recognition. Neuron, 2000, 27, 205-218.	3.8	288
330	Memory Systems in the Brain. Annual Review of Psychology, 2000, 51, 599-630.	9.9	351
331	Responses to the Sensory Properties of Fat of Neurons in the Primate Orbitofrontal Cortex. Journal of Neuroscience, 1999, 19, 1532-1540.	1.7	271
332	Firing Rate Distributions and Efficiency of Information Transmission of Inferior Temporal Cortex Neurons to Natural Visual Stimuli. Neural Computation, 1999, 11, 601-631.	1.3	87
333	On Decoding the Responses of a Population of Neurons from Short Time Windows. Neural Computation, 1999, 11, 1553-1577.	1.3	101
334	Backward Projections in the Cerebral Cortex: Implications for Memory Storage. Neural Computation, 1999, 11, 1349-1388.	1.3	43
335	Spatial View Cells in the Primate Hippocampus: Allocentric View not Head Direction or Eye Position or Place. Cerebral Cortex, 1999, 9, 197-212.	1.6	171
336	Correlations and the encoding of information in the nervous system. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1001-1012.	1.2	291
337	Correlated firing and the information represented by neurons in short epochs. Neurocomputing, 1999, 26-27, 499-504.	3.5	3
338	Head direction cells in the primate pre-subiculum. , 1999, 9, 206-219.		164
339	Spatial view cells and the representation of place in the primate hippocampus. , 1999, 9, 467-480.		244
340	Analysis of information transmission in the schaffer collaterals. , 1999, 9, 582-598.		44
341	The functions of the orbitofrontal cortex. Neurocase, 1999, 5, 301-312.	0.2	166
342	The Neurophysiology of Backward Visual Masking: Information Analysis. Journal of Cognitive Neuroscience, 1999, 11, 300-311.	1.1	209

#	Article	IF	Citations
343	Associative memory properties of multiple cortical modules. Network: Computation in Neural Systems, 1999, 10, 237-255.	2.2	32
344	Head direction cells in the primate pre-subiculum. , 1999, 9, 206.		4
345	The Functions of the Orbitofrontal Cortex. Neurocase, 1999, 5, 301-312.	0.2	14
346	Taste, Olfactory, Visual, and Somatosensory Representations of the Sensory Properties of Foods in the Brain, and Their Relation to the Control of Food Intake. , 1999, , .		7
347	The Neurophysiology of Taste and Olfaction in Primates, and Umami Flavora. Annals of the New York Academy of Sciences, 1998, 855, 426-437.	1.8	75
348	Transform-Invariant Recognition by Association in a Recurrent Network. Neural Computation, 1998, 10, 1507-1525.	1.3	47
349	Spatial View Cells in the Primate Hippocampus: Effects of Removal of View Details. Journal of Neurophysiology, 1998, 79, 1145-1156.	0.9	130
350	Information About Spatial View in an Ensemble of Primate Hippocampal Cells. Journal of Neurophysiology, 1998, 79, 1797-1813.	0.9	179
351	Responses of neurons in primary and inferior temporal visual cortices to natural scenes. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1775-1783.	1.2	366
352	Psychophysiological and Modulatory Interactions in Neuroimaging. NeuroImage, 1997, 6, 218-229.	2.1	2,807
353	Title is missing!. Trends in Cognitive Sciences, 1997, 1, 197.	4.0	0
354	Olfactory Sensory-Specific Satiety in Humans. Physiology and Behavior, 1997, 61, 461-473.	1.0	247
355	INVARIANT FACE AND OBJECT RECOGNITION IN THE VISUAL SYSTEM. Progress in Neurobiology, 1997, 51, 167-194.	2.8	523
356	Spatial View Cells in the Primate Hippocampus. European Journal of Neuroscience, 1997, 9, 1789-1794.	1.2	196
357	How the brain learns to see objects and faces in an impoverished context. Nature, 1997, 389, 596-599.	13.7	357
358	Information in the neuronal representation of individual stimuli in the primate temporal visual cortex. Journal of Computational Neuroscience, 1997, 4, 309-333.	0.6	119
359	The representational capacity of the distributed encoding of information provided by populations of neurons in primate temporal visual cortex. Experimental Brain Research, 1997, 114, 149-162.	0.7	217
360	Consciousness in Neural Networks?. Neural Networks, 1997, 10, 1227-1240.	3.3	39

#	Article	IF	Citations
361	Simulation studies of the CA3 hippocampal subfield modelled as an attractor neural network. Neural Networks, 1997, 10, 1559-1569.	3.3	80
362	Time for retrieval in recurrent associative memories. Physica D: Nonlinear Phenomena, 1997, 107, 392-400.	1.3	45
363	Taste and Olfactory Processing in the Brain and Its Relation to the Control of Eating. Critical Reviews in Neurobiology, 1997, 11, 263-287.	3.3	165
364	Receiving grooming as a reinforcer for the monkey. Physiology and Behavior, 1996, 59, 1189-1192.	1.0	29
365	Pattern retrieval in threshold-linear associative nets. Network: Computation in Neural Systems, 1996, 7, 109-122.	2.2	12
366	Rapid visual learning in neurones of the primate temporal visual cortex. NeuroReport, 1996, 7, 2757-2760.	0.6	125
367	Face and voice expression identification in patients with emotional and behavioural changes following ventral frontal lobe damage. Neuropsychologia, 1996, 34, 247-261.	0.7	697
368	A theory of hippocampal function in memory. , 1996, 6, 601-620.		407
369	Representational Capacity of Face Coding in Monkeys. Cerebral Cortex, 1996, 6, 498-505.	1.6	166
370	Responses of Primate Taste Cortex Neurons to the Astringent Tastant Tannic Acid. Chemical Senses, 1996, 21, 135-145.	1.1	123
371	Visual Processing in the Temporal Lobe for Invariant Object Recognition. , 1996, , 325-353.		3
372	On the Time Required for Recurrent Processing in the Brain. , 1996, , 371-382.		2
373	Title is missing!. Network: Computation in Neural Systems, 1996, 7, 109-122.	2.2	16
374	View-responsive neurons in the primate hippocampal complex. Hippocampus, 1995, 5, 409-424.	0.9	241
375	The responses of single neurons in the temporal visual cortical areas of the macaque when more than one stimulus is present in the receptive field. Experimental Brain Research, 1995, 103, 409-20.	0.7	137
376	Information encoding in short firing rate epochs by single neurons in the primate temporal visual cortex. Visual Cognition, 1995, 2, 35-58.	0.9	98
377	Learning mechanisms in the temporal lobe visual cortex. Behavioural Brain Research, 1995, 66, 177-185.	1.2	68
378	Afferent connections of the caudolateral orbitofrontal cortex taste area of the primate. Neuroscience, 1995, 64, 801-812.	1.1	199

#	Article	IF	Citations
379	Neural networks in the brain involved in memory and recall. Progress in Brain Research, 1994, 102, 335-341.	0.9	60
380	The responses of neurons in the temporal cortex of primates, and face identification and detection. Experimental Brain Research, 1994, 101, 473-84.	0.7	113
381	Computational analysis of the role of the hippocampus in memory. Hippocampus, 1994, 4, 374-391.	0.9	1,097
382	Brain mechanisms for invariant visual recognition and learning. Behavioural Processes, 1994, 33, 113-138.	0.5	105
383	Neural processing related to feeding in primates. , 1994, , 11-53.		31
384	NEUROPHYSIOLOGICAL AND NEURONAL NETWORK ANALYSIS OF HOW THE PRIMATE HIPPOCAMPUS FUNCTIONS IN MEMORY. Advanced Series in Neuroscience, 1994, , 713-744.	0.2	32
385	Umami Taste in the Forebrain of the Alert Macaque. , 1994, , 369-371.		0
386	Modification of the responses of hippocampal neurons in the monkey during the learning of a conditional spatial response task. Hippocampus, 1993, 3, 29-42.	0.9	92
387	Responses of single neurons in the hippocampus of the macaque related to recognition memory. Experimental Brain Research, 1993, 93, 299-306.	0.7	119
388	The effects of stimulus novelty and familiarity on neuronal activity in the amygdala of monkeys performing recognition memory tasks. Experimental Brain Research, 1993, 93, 367-82.	0.7	122
389	Neuronal responses in the ventral striatum of the behaving macaque. Behavioural Brain Research, 1993, 55, 243-252.	1.2	176
390	The neural control of feeding in primates. , 1993, , 137-169.		47
391	The Autoassociative Hypothesis Places Constraints on Hippocampal Organization. , 1993, , 21-26.		0
392	Oscillatory activity is not evident in the primate temporal visual cortex with static stimuli. NeuroReport, 1992, 3, 369-372.	0.6	210
393	The functional nature of neuronal oscillations. Trends in Neurosciences, 1992, 15, 387.	4.2	30
394	Computational constraints suggest the need for two distinct input systems to the hippocampal CA3 network. Hippocampus, 1992, 2, 189-199.	0.9	672
395	Computational analysis of the operation of a real neuronal network in the brain: the role of the hippocampus in memory. , 1992, , 891-898.		2
396	Responses of neurons in the primate taste cortex to glutamate. Physiology and Behavior, 1991, 49, 973-979.	1.0	139

#	Article	IF	Citations
397	Neural organization of higher visual functions. Current Opinion in Neurobiology, 1991, 1, 274-278.	2.0	94
398	What determines the capacity of autoassociative memories in the brain?. Network: Computation in Neural Systems, 1991, 2, 371-397.	2.2	246
399	Potentiation of neuronal responses to natural visual input paired with postsynaptic activation in the hippocampus of the awake monkey. Neuroscience Letters, 1991, 124, 39-43.	1.0	13
400	Functions of the primate hippocampus in spatial and nonspatial memory. Hippocampus, 1991, 1, 258-261.	0.9	62
401	Information Processing in the Temporal Lobe Visual Cortical Areas of Macaques. Research Notes in Neural Computing, 1991, , 339-352.	0.1	3
402	Allocentric and egocentric spatial information processing in the hippocampal formation of the behaving primate. Cognitive, Affective and Behavioral Neuroscience, 1991, 19, 21-40.	1.2	133
403	Neuronal responses related to the novelty and familiarity of visual stimuli in the substantia innominata, diagonal band of Broca and periventricular region of the primate basal forebrain. Experimental Brain Research, 1990, 80, 104-20.	0.7	146
404	A Theory of Emotion, and its Application to Understanding the Neural Basis of Emotion. Cognition and Emotion, 1990, 4, 161-190.	1.2	338
405	Methods in neuronal modeling: From synapses to networks. Biological Psychology, 1990, 31, 101.	1.1	0
406	The relative advantages of sparse versus distributed encoding for associative neuronal networks in the brain. Network: Computation in Neural Systems, 1990, 1, 407-421.	2.2	133
407	Neuronal responses related to reinforcement in the primate basal forebrain. Brain Research, 1990, 509, 213-231.	1.1	124
408	Delay, discriminatory, and modality specific neurons in striatum and pallidum during short-term memory tasks. Brain Research, 1990, 522, 147-151.	1.1	46
409	THE REPRESENTATION OF INFORMATION IN THE TEMPORAL LOBE VISUAL CORTICAL AREAS OF MACAQUES. , 1990, , 69-78.		12
410	Theoretical and Neurophysiological Analysis of the Functions of the Primate Hippocampus in Memory. Cold Spring Harbor Symposia on Quantitative Biology, 1990, 55, 995-1006.	2.0	52
411	Functions of Neuronal Networks in the Hippocampus and Neocortex in Memory. , 1989, , 240-265.		178
412	Object-centered encoding by face-selective neurons in the cortex in the superior temporal sulcus of the monkey. Experimental Brain Research, 1989, 75, 417-29.	0.7	221
413	The effect of learning on the face selective responses of neurons in the cortex in the superior temporal sulcus of the monkey. Experimental Brain Research, 1989, 76, 153-64.	0.7	203
414	Hunger Modulates the Responses to Gustatory Stimuli of Single Neurons in the Caudolateral Orbitofrontal Cortex of the Macaque Monkey. European Journal of Neuroscience, 1989, 1, 53-60.	1.2	430

#	Article	IF	Citations
415	The role of expression and identity in the face-selective responses of neurons in the temporal visual cortex of the monkey. Behavioural Brain Research, 1989, 32, 203-218.	1.2	593
416	Responses of hippocampal formation neurons in the monkey related to delayed spatial response and object-place memory tasks. Behavioural Brain Research, 1989, 33, 229-240.	1.2	153
417	The responsiveness of neurons in the insular gustatory cortex of the macaque monkey is independent of hunger. Physiology and Behavior, 1988, 42, 223-229.	1.0	195
418	Neuronal activity of the supplementary motor area (SMA) during internally and externally triggered wrist movements. Neuroscience Letters, 1988, 93, 264-269.	1.0	57
419	The responsiveness of neurones in the frontal opercular gustatory cortex of the macaque monkey is independent of hunger.. Journal of Physiology, 1988, 397, 1-12.	1.3	146
420	The responses of neurons in the cortex in the superior temporal sulcus of the monkey to band-pass spatial frequency filtered faces. Vision Research, 1987, 27, 311-326.	0.7	81
421	Responses of neurons in the inferior temporal cortex in short term and serial recognition memory tasks. Experimental Brain Research, 1987, 65, 614-22.	0.7	303
422	Neuronal Activity in the Ventral Striatum of the Primate. Advances in Behavioral Biology, 1987, , 349-356.	0.2	46
423	Sensory-specific satiety: Food-specific reduction in responsiveness of ventral forebrain neurons after feeding in the monkey. Brain Research, 1986, 368, 79-86.	1.1	186
424	Size and contrast have only small effects on the responses to faces of neurons in the cortex of the superior temporal sulcus of the monkey. Experimental Brain Research, 1986, 65, 38-48.	0.7	280
425	NEURAL SYSTEMS INVOLVED IN EMOTION IN PRIMATES. , 1986, , 125-143.		57
426	NEURONAL ACTIVITY RELATED TO THE CONTROL OF FEEDING. , 1986, , 163-190.		39
427	A technique for microiontophoretic study of single neurones in the behaving monkey. Journal of Neuroscience Methods, 1985, 12, 289-295.	1.3	4
428	Long-term sensory-specific satiety: Evidence from an Ethiopian refugee camp. Physiology and Behavior, 1985, 34, 1017-1020.	1.0	64
429	Role of low and high spatial frequencies in the face-selective responses of neurons in the cortex in the superior temporal sulcus in the monkey. Vision Research, 1985, 25, 1021-1035.	0.7	129
430	Neurons in the amygdala of the monkey with responses selective for faces. Behavioural Brain Research, 1985, 15, 159-176.	1.2	404
431	Satiety does not affect gustatory activity in the nucleus of the solitary tract of the alert monkey. Brain Research, 1985, 347, 85-93.	1.1	96
432	Selectivity between faces in the responses of a population of neurons in the cortex in the superior temporal sulcus of the monkey. Brain Research, 1985, 342, 91-102.	1.1	315

#	Article	IF	Citations
433	Role of noradrenaline and serotonin in the basolateral region of the amygdala in food preferences and learned taste aversions in the rat. Physiology and Behavior, 1984, 33, 37-43.	1.0	58
434	Pleasantness changes and food intake in a varied four-course meal. Appetite, 1984, 5, 337-348.	1.8	259
435	Responses of striatal neurons in the behaving monkey. 2. Visual processing in the caudal neostriatum. Brain Research, 1984, 290, 53-65.	1.1	143
436	Responses of striatal neurons in the behaving monkey. 3. Effects of iontophoretically applied dopamine on normal responsiveness. Neuroscience, 1984, 12, 1201-1212.	1.1	161
437	Sensory-specific and motivation-specific satiety for the sight and taste of food and water in man. Physiology and Behavior, 1983, 30, 185-192.	1.0	215
438	Activity of neurons in the ventral tegmental region of the behaving monkey. Behavioural Brain Research, 1983, 9, 213-235.	1.2	29
439	Responses of striatal neurons in the behaving monkey. 1. Head of the caudate nucleus. Behavioural Brain Research, 1983, 7, 179-210.	1.2	271
440	Body fat control and obesity. Behavioral and Brain Sciences, 1983, 6, 744.	0.4	24
441	Neurophysiological Processing Related to Feeding in the Monkey. , 1983, , 1067-1086.		4
442	How sensory properties of foods affect human feeding behavior. Physiology and Behavior, 1982, 29, 409-417.	1.0	367
443	Visual neurones responsive to faces in the monkey temporal cortex. Experimental Brain Research, 1982, 47, 329-42.	0.7	1,168
444	Variety in a meal enhances food intake in man. Physiology and Behavior, 1981, 26, 215-221.	1.0	515
445	Sensory specific satiety in manâ˜†. Physiology and Behavior, 1981, 27, 137-142.	1.0	746
446	Intracerebral self-administration of amphetamine by rhesus monkeys. Neuroscience Letters, 1981, 24, 81-86.	1.0	55
447	Satiety role of the small intestine examined in sham-feeding rhesus monkeys.. Journal of Comparative and Physiological Psychology, 1981, 95, 1003-1015.	1.8	61
448	The influence of motivation on the responses of neurons in the posterior parietal association cortex. Behavioral and Brain Sciences, 1980, 3, 514-515.	0.4	3
449	Neurophysiological analysis of brain-stimulation reward in the monkey. Brain Research, 1980, 194, 339-357.	1.1	191
450	Intracranial self-stimulation in orbitofrontal cortex and caudate nucleus of rhesus monkey: Effects of apomorphine, pimozide, and spiroperidol. Psychopharmacology, 1979, 62, 79-82.	1.5	20

#	Article	IF	Citations
451	Bombesin suppresses feeding in rats. Nature, 1979, 282, 208-210.	13.7	392
452	Effects of satiety on self-stimulation of the orbitofrontal cortex in the rhesus monkey. Neuroscience Letters, 1979, 13, 141-145.	1.0	60
453	The latency of activation of neurones in the lateral hypothalamus and substantia innominata during feeding in the monkey. Brain Research, 1979, 164, 121-135.	1.1	329
454	Responses of neurons in area 7 of the parietal cortex to objects of different significance. Brain Research, 1979, 169, 194-198.	1.1	75
455	Neurophysiology of feeding. Trends in Neurosciences, 1978, 1, 1-3.	4.2	58
456	Activity of neurones in the inferotemporal cortex of the alert monkey. Brain Research, 1977, 130, 229-238.	1.1	251
457	Activity of neurons in the region of the substantia nigra during feeding in the monkey. Brain Research, 1977, 133, 267-276.	1.1	68
458	Prefrontal cortex and neostriatum self-stimulation in the rat: Differential effects produced by apomorphine. Brain Research Bulletin, 1976, 1, 421-424.	1.4	39
459	Spontaneous firing rate of neurones in the prefrontal cortex of the rat: evidence for a dopaminergic inhibition. Brain Research, 1976, 116, 516-522.	1.1	54
460	Hypothalamic neuronal responses associated with the sight of food. Brain Research, 1976, 111, 53-66.	1.1	351
461	Effects of dopamine-receptor blockade on self-stimulation in the monkey. Pharmacology Biochemistry and Behavior, 1976, 4, 211-216.	1.3	38
462	Is the release of noradrenaline necessary for self-stimulation of the brain?. Pharmacology Biochemistry and Behavior, 1976, 4, 375-379.	1.3	10
463	Differential effects on self-stimulation and motor behaviour produced by microintracranial injections of a dopamine-receptor blocking agent. Neuroscience Letters, 1975, 1, 179-184.	1.0	30
464	Human cortical magnification factor and its relation to visual acuity. Experimental Brain Research, 1974, 21, 447-454.	0.7	339
465	Relation of activation of neurones in the pons and medulla to brain-stimulation reward. Experimental Brain Research, 1974, 20, 207-22.	0.7	5
466	The relative attenuation of self-stimulation, eating and drinking produced by dopamine-receptor blockade. Psychopharmacology, 1974, 38, 219-230.	1.5	207
467	Noradrenaline, dopamine, and brain-stimulation reward. Pharmacology Biochemistry and Behavior, 1974, 2, 735-740.	1.3	78
468	Connection between the prefrontal cortex and pontine brain-stimulation reward sites in the rat. Experimental Neurology, 1974, 42, 687-699.	2.0	29

#	Article	IF	Citations
469	Anesthetization and stimulation of the sulcal prefrontal cortex and brain-stimulation rewardâ¯†. Physiology and Behavior, 1974, 12, 563-571.	1.0	32
470	Activation of neurones in the prefrontal cortex by brain-stimulation reward in the rat. Brain Research, 1973, 60, 351-368.	1.1	47
471	Refractory periods of neurons directly excited in stimulus-bound eating and drinking in the rat.. Journal of Comparative and Physiological Psychology, 1973, 82, 15-22.	1.8	17
472	Effects of lesions in the basolateral amygdala on fluid intake in the rat.. Journal of Comparative and Physiological Psychology, 1973, 83, 240-247.	1.8	92
473	Altered food preferences after lesions in the basolateral region of the amygdala in the rat.. Journal of Comparative and Physiological Psychology, 1973, 83, 248-259.	1.8	146
474	Neural basis of stimulus-bound locomotor activity in the rat.. Journal of Comparative and Physiological Psychology, 1972, 81, 173-182.	1.8	70
475	Activation of amygdaloid neurones in reward, eating and drinking elicited by electrical stimulation of the brain. Brain Research, 1972, 45, 365-381.	1.1	46
476	Involvement of brainstem units in medial forebrain bundle self-stimulation. Physiology and Behavior, 1971, 7, 297-310.	1.0	59
477	Absolute refractory period of neurons involved in MFB self-stimulation. Physiology and Behavior, 1971, 7, 311-315.	1.0	45
478	Contrasting effects of hypothalamic and nucleus accumbens septi self-stimulation on brain stem single unit activity and cortical arousal. Brain Research, 1971, 31, 275-285.	1.1	42
479	Topography of the retina and striate cortex and its relationship to visual acuity in rhesus monkeys and squirrel monkeys. Experimental Brain Research, 1970, 10, 298-310.	0.7	258
480	The Neurophysiology and Computational Mechanisms of Object Representation. , 0, , 257-287.		7
481	The Affective Neuroscience of Consciousness: Higher Order Syntactic Thoughts, Dual Routes to Emotion and Action, and Consciousness. , 0, , 831-860.		32
482	Brain mechanisms of vision, memory, and consciousness.. , 0, , 81-120.		33
483	The relative advantages of sparse versus distributed encoding for associative neuronal networks in the brain. , 0, .		78
484	Associative memory properties of multiple cortical modules. , 0, .		29
485	What determines the capacity of autoassociative memories in the brain?. , 0, .		114
486	Part 15. Memory systems. , 0, , 337-365.		1