

Ranulfo Romo

List of Publications by Year in descending order

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157
papers

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citations

22153

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116
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164
docs citations

164
times ranked

9016
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#	ARTICLE	IF	CITATIONS
1	Neuronal correlates of parametric working memory in the prefrontal cortex. <i>Nature</i> , 1999, 399, 470-473.	27.8	750
2	A hierarchy of intrinsic timescales across primate cortex. <i>Nature Neuroscience</i> , 2014, 17, 1661-1663.	14.8	734
3	β -Oscillations in the monkey sensorimotor network influence discrimination performance by rhythmical inhibition of neuronal spiking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19377-19382.	7.1	644
4	Flutter Discrimination: neural codes, perception, memory and decision making. <i>Nature Reviews Neuroscience</i> , 2003, 4, 203-218.	10.2	535
5	Phantom percepts: Tinnitus and pain as persisting aversive memory networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8075-8080.	7.1	532
6	Flexible Control of Mutual Inhibition: A Neural Model of Two-Interval Discrimination. <i>Science</i> , 2005, 307, 1121-1124.	12.6	458
7	Somatosensory discrimination based on cortical microstimulation. <i>Nature</i> , 1998, 392, 387-390.	27.8	443
8	Demixed principal component analysis of neural population data. <i>ELife</i> , 2016, 5, .	6.0	397
9	Neuronal correlates of subjective sensory experience. <i>Nature Neuroscience</i> , 2005, 8, 1698-1703.	14.8	335
10	In vivo presynaptic control of dopamine release in the cat caudate nucleus. II. Facilitatory or inhibitory influence of glutamate. <i>Neuroscience</i> , 1986, 19, 1081-1090.	2.3	334
11	Neuronal correlates of decision-making in secondary somatosensory cortex. <i>Nature Neuroscience</i> , 2002, 5, 1217-1225.	14.8	334
12	Dopamine neurons of the monkey midbrain: contingencies of responses to active touch during self-initiated arm movements. <i>Journal of Neurophysiology</i> , 1990, 63, 592-606.	1.8	330
13	Timing and Neural Encoding of Somatosensory Parametric Working Memory in Macaque Prefrontal Cortex. <i>Cerebral Cortex</i> , 2003, 13, 1196-1207.	2.9	300
14	Neuronal Correlates of a Perceptual Decision in Ventral Premotor Cortex. <i>Neuron</i> , 2004, 41, 165-173.	8.1	293
15	Dopamine neurons of the monkey midbrain: contingencies of responses to stimuli eliciting immediate behavioral reactions. <i>Journal of Neurophysiology</i> , 1990, 63, 607-624.	1.8	289
16	Stable population coding for working memory coexists with heterogeneous neural dynamics in prefrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 394-399.	7.1	289
17	Periodicity and Firing Rate As Candidate Neural Codes for the Frequency of Vibrotactile Stimuli. <i>Journal of Neuroscience</i> , 2000, 20, 5503-5515.	3.6	287
18	Sensing without Touching. <i>Neuron</i> , 2000, 26, 273-278.	8.1	273

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19	Decoding a Perceptual Decision Process across Cortex. <i>Neuron</i> , 2010, 66, 300-314.	8.1	273
20	Role of primate basal ganglia and frontal cortex in the internal generation of movements. <i>Experimental Brain Research</i> , 1992, 91, 396-407.	1.5	256
21	Basic mechanisms for graded persistent activity: discrete attractors, continuous attractors, and dynamic representations. <i>Current Opinion in Neurobiology</i> , 2003, 13, 204-211.	4.2	256
22	Stochastic dynamics as a principle of brain function. <i>Progress in Neurobiology</i> , 2009, 88, 1-16.	5.7	248
23	Neural correlate of subjective sensory experience gradually builds up across cortical areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14266-14271.	7.1	245
24	Functional, But Not Anatomical, Separation of "What" and "When" in Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 350-360.	3.6	243
25	Temporal Evolution of a Decision-Making Process in Medial Premotor Cortex. <i>Neuron</i> , 2002, 33, 959-972.	8.1	224
26	Touch and Go: Decision-Making Mechanisms in Somatosensation. <i>Annual Review of Neuroscience</i> , 2001, 24, 107-137.	10.7	223
27	Neural codes for perceptual discrimination in primary somatosensory cortex. <i>Nature Neuroscience</i> , 2005, 8, 1210-1219.	14.8	216
28	Correlated Neuronal Discharges that Increase Coding Efficiency during Perceptual Discrimination. <i>Neuron</i> , 2003, 38, 649-657.	8.1	193
29	Role of primate basal ganglia and frontal cortex in the internal generation of movements. <i>Experimental Brain Research</i> , 1992, 91, 363-84.	1.5	184
30	Neuronal correlates of sensory discrimination in the somatosensory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6191-6196.	7.1	182
31	Role of primate basal ganglia and frontal cortex in the internal generation of movements. <i>Experimental Brain Research</i> , 1992, 91, 385-395.	1.5	168
32	Neuronal Population Coding of Parametric Working Memory. <i>Journal of Neuroscience</i> , 2010, 30, 9424-9430.	3.6	167
33	Responses of nigrostriatal dopamine neurons to high-intensity somatosensory stimulation in the anesthetized monkey. <i>Journal of Neurophysiology</i> , 1987, 57, 201-217.	1.8	165
34	From fixed points to chaos: Three models of delayed discrimination. <i>Progress in Neurobiology</i> , 2013, 103, 214-222.	5.7	151
35	Conversion of sensory signals into perceptual decisions. <i>Progress in Neurobiology</i> , 2013, 103, 41-75.	5.7	149
36	Neuronal activity in the monkey striatum during the initiation of movements. <i>Experimental Brain Research</i> , 1988, 71, 431-6.	1.5	148

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37	Beta oscillations in the monkey sensorimotor network reflect somatosensory decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10708-10713.	7.1	145
38	Neuronal activity preceding self-initiated or externally timed arm movements in area 6 of monkey cortex. <i>Experimental Brain Research</i> , 1987, 67, 656-62.	1.5	136
39	Brain mechanisms for perceptual and reward-related decision-making. <i>Progress in Neurobiology</i> , 2013, 103, 194-213.	5.7	133
40	Coherent delta-band oscillations between cortical areas correlate with decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15085-15090.	7.1	127
41	A Recurrent Network Model of Somatosensory Parametric Working Memory in the Prefrontal Cortex. <i>Cerebral Cortex</i> , 2003, 13, 1208-1218.	2.9	124
42	Dynamic Control of Response Criterion in Premotor Cortex during Perceptual Detection under Temporal Uncertainty. <i>Neuron</i> , 2015, 86, 1067-1077.	8.1	118
43	In vivo presynaptic control of dopamine release in the cat caudate nucleusâ€”III. Further evidence for the implication of corticostriatal glutamatergic neurons. <i>Neuroscience</i> , 1986, 19, 1091-1099.	2.3	109
44	Discrimination in the Sense of Flutter: New Psychophysical Measurements in Monkeys. <i>Journal of Neuroscience</i> , 1997, 17, 6391-6400.	3.6	107
45	Dopamine neurons code subjective sensory experience and uncertainty of perceptual decisions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19767-19771.	7.1	100
46	Neural codes for perceptual discrimination of acoustic flutter in the primate auditory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9471-9476.	7.1	94
47	Low-dimensional dynamics for working memory and time encoding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23021-23032.	7.1	93
48	Chapter 15 Reward-related activity in the monkey striatum and substantia nigra. <i>Progress in Brain Research</i> , 1993, 99, 227-235.	1.4	91
49	Neural encoding of auditory discrimination in ventral premotor cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14640-14645.	7.1	91
50	Do Sensory Cortices Process More than One Sensory Modality during Perceptual Judgments?. <i>Neuron</i> , 2010, 67, 335-348.	8.1	90
51	Heterogenous Population Coding of a Short-Term Memory and Decision Task. <i>Journal of Neuroscience</i> , 2010, 30, 916-929.	3.6	89
52	A Neural Parametric Code for Storing Information of More than One Sensory Modality in Working Memory. <i>Neuron</i> , 2016, 89, 54-62.	8.1	89
53	Conversion of Sensory Signals into Motor Commands in Primary Motor Cortex. <i>Journal of Neuroscience</i> , 1998, 18, 499-511.	3.6	88
54	Presynaptic regulation of dopaminergic transmission in the striatum. <i>Cellular and Molecular Neurobiology</i> , 1988, 8, 7-17.	3.3	76

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55	Biomimetic Brain Machine Interfaces for the Control of Movement. <i>Journal of Neuroscience</i> , 2007, 27, 11842-11846.	3.6	67
56	Synaptic dynamics and decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7545-7549.	7.1	67
57	Representation of moving tactile stimuli in the somatic sensory cortex of awake monkeys. <i>Journal of Neurophysiology</i> , 1995, 73, 525-537.	1.8	64
58	Effects of unilateral electrical stimulation of various thalamic nuclei on the release of dopamine from dendrites and nerve terminals of neurons of the two nigrostriatal dopaminergic pathways. <i>Neuroscience</i> , 1983, 8, 767-780.	2.3	63
59	Representation of tactile signals in primate supplementary motor area. <i>Journal of Neurophysiology</i> , 1993, 70, 2690-2694.	1.8	62
60	Functional Properties of Primate Putamen Neurons During the Categorization of Tactile Stimuli. <i>Journal of Neurophysiology</i> , 1997, 77, 1132-1154.	1.8	62
61	Neural correlates of a postponed decision report. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17174-17179.	7.1	62
62	Deficits in reaction times and movement times as correlates of hypokinesia in monkeys with MPTP-induced striatal dopamine depletion. <i>Journal of Neurophysiology</i> , 1989, 61, 651-668.	1.8	57
63	Turning Touch into Perception. <i>Neuron</i> , 2020, 105, 16-33.	8.1	54
64	Dynamics of Cortical Neuronal Ensembles Transit from Decision Making to Storage for Later Report. <i>Journal of Neuroscience</i> , 2012, 32, 11956-11969.	3.6	53
65	Exploring the cortical evidence of a sensoryâ€“discrimination process. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 1039-1051.	4.0	51
66	Language Abilities of Motor Cortex. <i>Neuron</i> , 2004, 41, 178-180.	8.1	51
67	Sense, memory, and decision-making in the somatosensory cortical network. <i>Current Opinion in Neurobiology</i> , 2012, 22, 914-919.	4.2	51
68	In vivo presynaptic control of dopamine release in the cat caudate nucleusâ€“l. Opposite changes in neuronal activity and release evoked from thalamic motor nuclei. <i>Neuroscience</i> , 1986, 19, 1067-1079.	2.3	49
69	Decoding a Decision Process in the Neuronal Population of Dorsal Premotor Cortex. <i>Neuron</i> , 2017, 96, 1432-1446.e7.	8.1	48
70	Sensing and deciding in the somatosensory system. <i>Current Opinion in Neurobiology</i> , 1999, 9, 487-493.	4.2	47
71	Role of primary somatic sensory cortex in the categorization of tactile stimuli: effects of lesions. <i>Experimental Brain Research</i> , 1997, 115, 357-360.	1.5	46
72	Emergence of an abstract categorical code enabling the discrimination of temporally structured tactile stimuli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7966-E7975.	7.1	45

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73	The role of fluctuations in perception. Trends in Neurosciences, 2008, 31, 591-598.	8.6	43
74	Distinct commissural pathways are involved in the enhanced release of dopamine induced in the contralateral caudate nucleus and substantia nigra by unilateral application of GABA in the cat thalamic motor nuclei. Brain Research, 1984, 308, 43-52.	2.2	39
75	Immunocytochemical study of enkephalin-like cell bodies in the thalamus of the cat. Brain Research, 1986, 377, 355-361.	2.2	36
76	From sensation to action. Behavioural Brain Research, 2002, 135, 105-118.	2.2	36
77	Perceptual detection as a dynamical bistability phenomenon: A neurocomputational correlate of sensation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20073-20077.	7.1	36
78	Local domains of motor cortical activity revealed by fiber-optic calcium recordings in behaving nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 463-468.	7.1	36
79	Task-driven intra- and interarea communications in primate cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4761-4766.	7.1	36
80	Beta oscillations reflect supramodal information during perceptual judgment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13810-13815.	7.1	36
81	Selective Output-discriminative Signals in the Motor Cortex of Waking Monkeys. Cerebral Cortex, 1992, 2, 277-294.	2.9	35
82	Transformation of the neural code for tactile detection from thalamus to cortex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2635-44.	7.1	35
83	Internal signal correlates neural populations and biases perceptual decision reports. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18938-18943.	7.1	34
84	Saccadic reaction times, eye-arm coordination and spontaneous eye movements in normal and MPTP-treated monkeys. Experimental Brain Research, 1989, 78, 253-67.	1.5	32
85	Temporal signals underlying a cognitive process in the dorsal premotor cortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7523-7532.	7.1	32
86	GABA in the thalamic motor nuclei modulates dopamine release from the two dopaminergic nigrostriatal pathways in the cat. Experimental Brain Research, 1983, 51, 275-82.	1.5	31
87	Thalamocortical rhythms during a vibrotactile detection task. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1797-805.	7.1	31
88	Production and suppression of tremor by mesencephalic tegmental lesions in monkeys. Experimental Neurology, 1979, 64, 516-527.	4.1	30
89	The role of dopamine released from distal and proximal dendrites of nigrostriatal dopaminergic neurons in the control of gaba transmission in the thalamic nucleus ventralis medialis in the cat. Neuroscience, 1987, 22, 935-946.	2.3	30
90	Categorization of somaesthetic stimuli. NeuroReport, 1996, 7, 1273-1279.	1.2	30

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91	Neural coding and perceptual detection in the primate somatosensory thalamus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15006-15011.	7.1	30
92	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.	7.1	29
93	Neuronal activity of primate putamen during categorical perception of somesthetic stimuli. NeuroReport, 1995, 6, 1013-1017.	1.2	28
94	Effects of electrical stimulation of various midline thalamic nuclei on the bilateral release of dopamine from dendrites and nerve terminals of neurons in the nigro-striatal dopaminergic pathways. Neuroscience Letters, 1984, 44, 193-198.	2.1	25
95	Invariant timescale hierarchy across the cortical somatosensory network. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
96	Feed-forward information and zero-lag synchronization in the sensory thalamocortical circuit are modulated during stimulus perception. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7513-7522.	7.1	24
97	Coding perceptual discrimination in the somatosensory thalamus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21093-21098.	7.1	23
98	Procedure for recording the simultaneous activity of single neurons distributed across cortical areas during sensory discrimination. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16785-16790.	7.1	22
99	Specific and non-specific multiple unit activities during pentylenetetrazol seizures. I. Animals with α -methyl-L-glutamate decarboxylase (AMT) gene deletion. Electroencephalography and Clinical Neurophysiology, 1980, 49, 600-607.	0.3	21
100	Specific and non-specific multiple unit activities during pentylenetetrazol seizures in animals with mesencephalic transections. Electroencephalography and Clinical Neurophysiology, 1982, 53, 289-297.	0.3	21
101	Chapter 39 Somatosensory input to dopamine neurones of the monkey midbrain: responses to pain pinch under anaesthesia and to active touch in behavioural context. Progress in Brain Research, 1989, 80, 473-478.	1.4	20
102	GABA in the intralaminar thalamic nuclei modulates dopamine release from the two dopaminergic nigro-striatal pathways in the Cat. Brain Research Bulletin, 1983, 11, 671-680.	3.0	19
103	Distribution of Met-enkephalin immunoreactive fibres in the thalamus of the cat. Neuroscience Letters, 1986, 65, 299-303.	2.1	19
104	Neural and computational mechanisms of postponed decisions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11626-11631.	7.1	19
105	A continuum of invariant sensory and behavioral-context perceptual coding in secondary somatosensory cortex. Nature Communications, 2021, 12, 2000.	12.8	19
106	Effects of nigral application of muscimol on release of $[^3H]$ -aminobutyrate and on multi-unit activity in various cat thalamic nuclei. Neuroscience, 1983, 10, 781-788.	2.3	18
107	In vivo release of $[^3H]$ GABA in cat caudate nucleus and substantia nigra. I. Bilateral changes induced by a unilateral nigral application of muscimol. Brain Research, 1983, 272, 331-340.	2.2	18
108	Prolonged changes in dopaminergic terminal excitability and short changes in dopaminergic neuron discharge rate after short peripheral stimulation in monkey. Neuroscience Letters, 1985, 62, 335-340.	2.1	18

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109	Context-Dependent Modulation of Functional Connectivity: Secondary Somatosensory Cortex to Prefrontal Cortex Connections in Two-Stimulus-Interval Discrimination Tasks. <i>Journal of Neuroscience</i> , 2009, 29, 7238-7245.	3.6	18
110	Dopaminergic activity coincides with stimulus detection by the frontal lobe. <i>Neuroscience</i> , 2012, 218, 181-184.	2.3	18
111	An Optimal Decision Population Code that Accounts for Correlated Variability Unambiguously Predicts a Subject's Choice. <i>Neuron</i> , 2013, 80, 1532-1543.	8.1	17
112	Evidence for a dopaminergic innervation of the cat lateral habenula: its role in controlling serotonin transmission in the Basal ganglia. <i>Brain Research</i> , 1984, 308, 281-288.	2.2	15
113	Protection against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced parkinsonism by the catecholamine uptake inhibitor nomifensine: Behavioral analysis in monkeys with partial striatal dopamine depletions. <i>Neuroscience</i> , 1989, 31, 219-230.	2.3	15
114	Decoding stimulus features in primate somatosensory cortex during perceptual categorization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4773-4778.	7.1	14
115	Carbachol "push-pull" perfusion in the reticular formation: Effect on the contiguous multiple-unit activity and other sleep-waking parameters in cats. <i>Experimental Neurology</i> , 1981, 72, 318-331.	4.1	13
116	Subcortical Correlates of the Auditory Brain Stem Potentials in the Monkey: Bipolar EEG and Multiple Unit Activity Responses. <i>International Journal of Neuroscience</i> , 1984, 22, 235-251.	1.6	13
117	Acetylcholine release in the cat caudate nucleus measured with the choline oxidase method. <i>European Journal of Pharmacology</i> , 1985, 110, 81-87.	3.5	13
118	The Influence of Spatiotemporal Structure of Noisy Stimuli in Decision Making. <i>PLoS Computational Biology</i> , 2014, 10, e1003492.	3.2	13
119	A tactile stimulator for studying motion processing in the somatic sensory system of primates. <i>Journal of Neuroscience Methods</i> , 1993, 46, 139-146.	2.5	12
120	A chorus line. <i>Nature</i> , 2000, 404, 131-133.	27.8	12
121	Analysing neuronal correlates of the comparison of two sequentially presented sensory stimuli. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 1843-1850.	4.0	12
122	Specific and Nonspecific Multiple Unit Activities during the Onset of Pentylentetrazol Seizures. III. Animals with Ablations of the Cerebral Cortex. <i>Epilepsia</i> , 1979, 20, 635-642.	5.1	11
123	Effect of carbachol "push-pull" perfusion in the reticular formation on alumina cream-induced focal motor seizures in cats. <i>Experimental Neurology</i> , 1981, 72, 332-345.	4.1	11
124	Tactile Shape Processing. <i>Neuron</i> , 2001, 31, 173-174.	8.1	11
125	Effect of a new thienodiazepine (We-941) on sleep patterns of normal and insomniac subjects. <i>Neuropharmacology</i> , 1981, 20, 461-468.	4.1	10
126	Conversion of sensory signals into perceptions, memories and decisions. <i>Progress in Neurobiology</i> , 2013, 103, 1-2.	5.7	10

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127	Effect of sagittal transections of the brain stem tegmentum on alumina cream-induced focal motor seizures in cats. <i>Experimental Neurology</i> , 1983, 81, 226-239.	4.1	9
128	Alumina cream-induced epilepsy in cats. III. Wakefulness-sleep modulation of multiple unit activity in the reticular formation. <i>Electroencephalography and Clinical Neurophysiology</i> , 1980, 48, 341-350.	0.3	8
129	A Hidden Sensory Function for Motor Cortex. <i>Neuron</i> , 2002, 36, 785-786.	8.1	8
130	Effect of carbachol and atropine perfusions in the mesencephalic tegmentum and caudate nucleus on experimental tremor in monkeys. <i>Experimental Neurology</i> , 1982, 78, 450-460.	4.1	7
131	Push-pull perfusion of pentylentetrazol in the brain stem of <i>in vivo</i> cats. <i>Electroencephalography and Clinical Neurophysiology</i> , 1983, 56, 521-527.	0.3	7
132	The Relative Roles of Neuronal Activity and Direct Presynaptic Mechanisms in Controlling the Release of Dopamine from the Cat Caudate Nucleus. <i>Annals of the New York Academy of Sciences</i> , 1986, 473, 80-91.	3.8	7
133	Different effects of electrical stimulation of the mesencephalic and pontine reticular formation on the release of dopamine and acetylcholine in the cat caudate nucleus. <i>Neuroscience Letters</i> , 1987, 78, 57-62.	2.1	7
134	Decisions arising from opposing views. <i>Nature Neuroscience</i> , 2003, 6, 792-793.	14.8	7
135	Decoding the Temporal Evolution of a Simple Perceptual Act. <i>Novartis Foundation Symposium</i> , 0, , 170-190.	1.1	7
136	Dopamine firing plays a dual role in coding reward prediction errors and signaling motivation in a working memory task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	7
137	Low Dimensionality, High Robustness in Neural Population Dynamics. <i>Neuron</i> , 2019, 103, 177-179.	8.1	6
138	A Recurrent Network Model of Somatosensory Parametric Working Memory in the Prefrontal Cortex. <i>Cerebral Cortex</i> , 2005, 15, 679-679.	2.9	5
139	Decoding the temporal evolution of a simple perceptual act. <i>Novartis Foundation Symposium</i> , 2006, 270, 170-86; discussion 186-90, 232-7.	1.1	4
140	Role of thalamic motor nuclei in bilateral regulation of serotonergic transmission in cat basal ganglia. <i>Brain Research</i> , 1984, 322, 297-300.	2.2	3
141	Stochastic Neural Dynamics as a Principle of Perception. , 2009, , 247-262.		3
142	Activity of Monkey Striatal and Dopamine Neurons During the Performance of Delayed Response Tasks. <i>Advances in Behavioral Biology</i> , 1994, , 305-313.	0.2	3
143	The Memory Map of Visual Space. <i>Trends in Neurosciences</i> , 2018, 41, 117-120.	8.6	2
144	Towards a conscious model of consciousness. <i>Cognitive Neuropsychology</i> , 2020, 37, 220-223.	1.1	2

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145	The role of neural correlations in a decision-making task. BMC Neuroscience, 2013, 14, .	1.9	1
146	How Confident Do You Feel?. Neuron, 2014, 83, 751-753.	8.1	1
147	Effect of Dextro-Amphetamine on Reticulo-Preoptic Interactions in "Encephale Isole" Cats. International Journal of Neuroscience, 1982, 16, 199-201.	1.6	0
148	Coming home to research in Mexico. Current Biology, 2000, 10, R886.	3.9	0
149	Molecules to Remember. Cell, 2007, 129, 245-247.	28.9	0
150	Computational mechanism of postponed decisions. BMC Neuroscience, 2011, 12, .	1.9	0
151	A model of perceptual discrimination under sequential sensory evidence. BMC Neuroscience, 2013, 14, .	1.9	0
152	Causal correlation paths across cortical areas in decision making. BMC Neuroscience, 2014, 15, .	1.9	0
153	Neural dynamics of perceptual detection under temporal uncertainty. BMC Neuroscience, 2014, 15, .	1.9	0
154	The dopamine signal in decision-making tasks with stimulus and timing uncertainty. BMC Neuroscience, 2014, 15, .	1.9	0
155	Chair's Introduction. Novartis Foundation Symposium, 0, , 1-3.	1.1	0
156	Neural Codes for Perceptual Decisions. , 2008, , 265-296.		0
157	Decoding a Decision Process in the Neuronal Population of Dorsal Premotor Cortex. SSRN Electronic Journal, 0, , .	0.4	0