Terrence J Sejnowski

List of Publications by Year
in descending order

180 papers	36,608 citations	20817 60 h-index	4991 167 g-index
211 all docs	211 docs citations	211 times ranked	29506 citing authors

#	Article	IF	Citations
1	An Information-Maximization Approach to Blind Separation and Blind Deconvolution. Neural Computation, 1995, 7, 1129-1159.	2.2	7,791
2	Removing electroencephalographic artifacts by blind source separation. Psychophysiology, 2000, 37, 163-178.	2.4	2,585
3	A Learning Algorithm for Boltzmann Machines*. Cognitive Science, 1985, 9, 147-169.	1.7	2,437
4	Analysis of fMRI data by blind separation into independent spatial components. Human Brain Mapping, 1998, 6, 160-188.	3.6	1,653
5	Independent Component Analysis Using an Extended Infomax Algorithm for Mixed Subgaussian and Supergaussian Sources. Neural Computation, 1999, 11, 417-441.	2.2	1,614
6	Influence of dendritic structure on firing pattern in model neocortical neurons. Nature, 1996, 382, 363-366.	27.8	1,190
7	Correlated neuronal activity and the flow of neural information. Nature Reviews Neuroscience, 2001, 2, 539-550.	10.2	1,134
8	The neural basis of cognitive development: A constructivist manifesto. Behavioral and Brain Sciences, 1997, 20, 537-556.	0.7	1,033
9	Learning Overcomplete Representations. Neural Computation, 2000, 12, 337-365.	2.2	927
10	Communication in Neuronal Networks. Science, 2003, 301, 1870-1874.	12.6	842
11	Removing electroencephalographic artifacts by blind source separation. Psychophysiology, 2000, 37, 163-178.	2.4	678
12	Neurocomputational models of working memory. Nature Neuroscience, 2000, 3, 1184-1191.	14.8	643
13	Epigenomic Signatures of Neuronal Diversity in the Mammalian Brain. Neuron, 2015, 86, 1369-1384.	8.1	640
14	Interpreting Neuronal Population Activity by Reconstruction: Unified Framework With Application to Hippocampal Place Cells. Journal of Neurophysiology, 1998, 79, 1017-1044.	1.8	616
15	Human body epigenome maps reveal noncanonical DNA methylation variation. Nature, 2015, 523, 212-216.	27.8	605
16	Why do we sleep?11Published on the World Wide Web on 7 November 2000.. Brain Research, 2000, 886, 208-223.	2.2	466
17	Single-cell methylomes identify neuronal subtypes and regulatory elements in mammalian cortex. Science, 2017, 357, 600-604.	12.6	445
18	Independent component analysis of fMRI data: Examining the assumptions. Human Brain Mapping, 1998, 6, 368-372.	3.6	432

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19	Spatial Transformations in the Parietal Cortex Using Basis Functions. Journal of Cognitive Neuroscience, 1997, 9, 222-237.	2.3	402
20	Cortical travelling waves: mechanisms and computational principles. Nature Reviews Neuroscience, 2018, 19, 255-268.	10.2	368
21	Regulation of spike timing in visual cortical circuits. Nature Reviews Neuroscience, 2008, 9, 97-107.	10.2	313
22	Measuring facial expressions by computer image analysis. Psychophysiology, 1999, 36, 253-263.	2.4	308
23	Cortical gamma band synchronization through somatostatin interneurons. Nature Neuroscience, 2017, 20, 951-959.	14.8	301
24	Fast Monte Carlo Simulation Methods for Biological Reaction-Diffusion Systems in Solution and on Surfaces. SIAM Journal of Scientific Computing, 2008, 30, 3126-3149.	2.8	292
25	Spatiotemporal Patterns of Spindle Oscillations in Cortex and Thalamus. Journal of Neuroscience, 1997, 17, 1179-1196.	3.6	290
26	Bee foraging in uncertain environments using predictive hebbian learning. Nature, 1995, 377, 725-728.	27.8	288
27	Network Oscillations: Emerging Computational Principles. Journal of Neuroscience, 2006, 26, 1673-1676.	3.6	256
28	Population dynamics and theta rhythm phase precession of hippocampal place cell firing: A spiking neuron model. Hippocampus, 1996, 6, 271-280.	1.9	254
29	Neuronal Tuning: To Sharpen or Broaden?. Neural Computation, 1999, 11, 75-84.	2.2	248
30	Putting big data to good use in neuroscience. Nature Neuroscience, 2014, 17, 1440-1441.	14.8	232
31	The unreasonable effectiveness of deep learning in artificial intelligence. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30033-30038.	7.1	220
32	Interstitial solute transport in 3D reconstructed neuropil occurs by diffusion rather than bulk flow. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9894-9899.	7.1	216
33	Cholinergic induction of oscillations in the hippocampal slice in the slow (0.5-2 Hz), theta (5-12 Hz), and gamma (35-70 Hz) bands. Hippocampus, 2000, 10, 187-197.	1.9	212
34	Metabolic cost as a unifying principle governing neuronal biophysics. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12329-12334.	7.1	212
35	Nanoconnectomic upper bound on the variability of synaptic plasticity. ELife, 2015, 4, e10778.	6.0	208
36	A learning algorithm for boltzmann machines. Cognitive Science, 1985, 9, 147-169.	1.7	205

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37	Astrocytes contribute to gamma oscillations and recognition memory. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3343-52.	7.1	203
38	Independent Sources of Quantal Variability at Single Glutamatergic Synapses. Journal of Neuroscience, 2003, 23, 3186-3195.	3.6	192
39	A Computational Model of How the Basal Ganglia Produce Sequences. Journal of Cognitive Neuroscience, 1998, 10, 108-121.	2.3	186
40	The BRAIN Initiative: developing technology to catalyse neuroscience discovery. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140164.	4.0	179
41	Spike-Timing-Dependent Hebbian Plasticity as Temporal Difference Learning. Neural Computation, 2001, 13, 2221-2237.	2.2	173
42	Evidence for Ectopic Neurotransmission at a Neuronal Synapse. Science, 2005, 309, 446-451.	12.6	167
43	A Monte Carlo Model Reveals Independent Signaling at Central Glutamatergic Synapses. Biophysical Journal, 2002, 83, 2333-2348.	0.5	154
44	Rotating waves during human sleep spindles organize global patterns of activity that repeat precisely through the night. ELife, 2016, 5, .	6.0	151
45	Synchrony of Thalamocortical Inputs Maximizes Cortical Reliability. Science, 2010, 328, 106-109.	12.6	144
46	Computational model of carbachol-induced delta, theta, and gamma oscillations in the hippocampus. Hippocampus, 2001, 11, 251-274.	1.9	134
47	Pre-post synaptic alignment through neuroligin-1 tunes synaptic transmission efficiency. ELife, 2018, 7, .	6.0	134
48	Spontaneous travelling cortical waves gate perception in behaving primates. Nature, 2020, 587, 432-436.	27.8	133
49	Extracellular sheets and tunnels modulate glutamate diffusion in hippocampal neuropil. Journal of Comparative Neurology, 2013, 521, 448-464.	1.6	113
50	Utilizing Deep Learning Towards Multi-Modal Bio-Sensing and Vision-Based Affective Computing. IEEE Transactions on Affective Computing, 2022, 13, 96-107.	8.3	112
51	Learning to soar in turbulent environments. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4877-84.	7.1	110
52	Population dynamics and theta rhythm phase precession of hippocampal place cell firing: A spiking neuron model. Hippocampus, 1996, 6, 271-280.	1.9	108
53	Abnormal Gamma Oscillations in N-Methyl-D-Aspartate Receptor Hypofunction Models of Schizophrenia. Biological Psychiatry, 2016, 79, 716-726.	1.3	103
54	The Book of Hebb. Neuron, 1999, 24, 773-776.	8.1	98

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55	Complexity of calcium signaling in synaptic spines. BioEssays, 2002, 24, 1130-1144.	2.5	94
56	Strong inhibitory signaling underlies stable temporal dynamics and working memory in spiking neural networks. Nature Neuroscience, 2021, 24, 129-139.	14.8	92
57	Cellular and Network Models for Intrathalamic Augmenting Responses During 10-Hz Stimulation. Journal of Neurophysiology, 1998, 79, 2730-2748.	1.8	91
58	Experience Matters. Psychological Science, 2010, 21, 960-969.	3.3	91
59	Calmodulin Activation by Calcium Transients in the Postsynaptic Density of Dendritic Spines. PLoS ONE, 2008, 3, e2045.	2.5	89
60	Brain-state dependent astrocytic Ca ²⁺ signals are coupled to both positive and negative BOLD-fMRI signals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1647-E1656.	7.1	88
61	Exploration bonuses and dual control. Machine Learning, 1996, 25, 5-22.	5.4	77
62	Nanoscale co-organization and coactivation of AMPAR, NMDAR, and mGluR at excitatory synapses. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14503-14511.	7.1	74
63	Modelling Vesicular Release at Hippocampal Synapses. PLoS Computational Biology, 2010, 6, e1000983.	3.2	70
64	Dendritic spine geometry and spine apparatus organization govern the spatiotemporal dynamics of calcium. Journal of General Physiology, 2019, 151, 1017-1034.	1.9	67
65	Gap Junction Effects on Precision and Frequency of a Model Pacemaker Network. Journal of Neurophysiology, 2000, 83, 984-997.	1.8	65
66	A Unifying Objective Function for Topographic Mappings. Neural Computation, 1997, 9, 1291-1303.	2.2	64
67	Computational reconstitution of spine calcium transients from individual proteins. Frontiers in Synaptic Neuroscience, 2015, 7, 17.	2.5	63
68	Biological underpinnings for lifelong learning machines. Nature Machine Intelligence, 2022, 4, 196-210.	16.0	62
69	NMDAR-dependent long-term depression is associated with increased short term plasticity through autophagy mediated loss of PSD-95. Nature Communications, 2021, 12, 2849.	12.8	57
70	Optimal Smoothing in Visual Motion Perception. Neural Computation, 2001, 13, 1243-1253.	2.2	54
71	Spectrum of power laws for curved hand movements. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3950-8.	7.1	53
72	Pharmacological reversal of synaptic and network pathology in human <i>MECP2</i> â€KO neurons and cortical organoids. EMBO Molecular Medicine, 2021, 13, e12523.	6.9	53

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73	Beyond excitation/inhibition imbalance in multidimensional models of neural circuit changes in brain disorders. ELife, 2017, 6, .	6.0	53
74	Simple framework for constructing functional spiking recurrent neural networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22811-22820.	7.1	52
75	Mitochondrial morphology provides a mechanism for energy buffering at synapses. Scientific Reports, 2019, 9, 18306.	3.3	52
76	Regulating Cortical Oscillations in an Inhibition-Stabilized Network. Proceedings of the IEEE, 2014, 102, 830-842.	21.3	51
77	Making smooth moves. Nature, 1998, 394, 725-726.	27.8	49
78	Selective Memory Generalization by Spatial Patterning of Protein Synthesis. Neuron, 2014, 82, 398-412.	8.1	47
79	Short-term plasticity constrains spatial organization of a hippocampal presynaptic terminal. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14657-14662.	7.1	46
80	Short-term synaptic plasticity in the deterministic Tsodyksâ€“Markram model leads to unpredictable network dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16610-16615.	7.1	43
81	Non-Linear Dynamical Analysis of EEG Time Series Distinguishes Patients with Parkinsonâ€™s Disease from Healthy Individuals. Frontiers in Neurology, 2013, 4, 200.	2.4	43
82	Variational Bayesian Learning of ICA with Missing Data. Neural Computation, 2003, 15, 1991-2011.	2.2	42
83	A Discrete Presynaptic Vesicle Cycle for Neuromodulator Receptors. Neuron, 2020, 105, 663-677.e8.	8.1	42
84	Impairments in remote memory caused by the lack of Type 2 IP₃ receptors. Glia, 2019, 67, 1976-1989.	4.9	41
85	Multi-state Modeling of Biomolecules. PLoS Computational Biology, 2014, 10, e1003844.	3.2	39
86	Feedback stabilizes propagation of synchronous spiking in cortical neural networks. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2545-2550.	7.1	39
87	Diverse Representations of Olfactory Information in Centrifugal Feedback Projections. Journal of Neuroscience, 2016, 36, 7535-7545.	3.6	39
88	Centrifugal Inputs to the Main Olfactory Bulb Revealed Through Whole Brain Circuit-Mapping. Frontiers in Neuroanatomy, 2018, 12, 115.	1.7	39
89	Dendritic trafficking faces physiologically critical speed-precision tradeoffs. ELife, 2016, 5, .	6.0	39
90	Beyond modularity: Neural evidence for constructivist principles in development. Behavioral and Brain Sciences, 1994, 17, 725-726.	0.7	38

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91	Geometric principles of second messenger dynamics in dendritic spines. Scientific Reports, 2019, 9, 11676.	3.3	33
92	Synaptic plasticity in morphologically identified CA1 stratum radiatum interneurons and giant projection cells. Hippocampus, 2000, 10, 673-683.	1.9	32
93	Replay in Deep Learning: Current Approaches and Missing Biological Elements. Neural Computation, 2021, 33, 1-44.	2.2	32
94	Spatially fixed patterns account for the spike and wave features in absence seizures. Brain Topography, 1999, 12, 107-116.	1.8	30
95	A Wearable Multi-Modal Bio-Sensing System Towards Real-World Applications. IEEE Transactions on Biomedical Engineering, 2019, 66, 1137-1147.	4.2	29
96	Learning viewpoint-invariant face representations from visual experience in an attractor network. Network: Computation in Neural Systems, 1998, 9, 399-417.	3.6	29
97	Blending computational and experimental neuroscience. Nature Reviews Neuroscience, 2016, 17, 667-668.	10.2	27
98	Cortical chimera states predict epileptic seizures. Chaos, 2019, 29, 121106.	2.5	27
99	Spontaneous traveling waves naturally emerge from horizontal fiber time delays and travel through locally asynchronous-irregular states. Nature Communications, 2021, 12, 6057.	12.8	27
100	Parallel Fiber Coding in the Cerebellum for Life-Long Learning. Autonomous Robots, 2001, 11, 291-297.	4.8	26
101	A modeling framework for adaptive lifelong learning with transfer and savings through gating in the prefrontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29872-29882.	7.1	26
102	The ventral striatum dissociates information expectation, reward anticipation, and reward receipt. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15200-15208.	7.1	26
103	Learning viewpoint-invariant face representations from visual experience in an attractor network. Network: Computation in Neural Systems, 1998, 9, 399-417.	3.6	25
104	Selfâ€“organizing neural systems based on predictive learning. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 1149-1175.	3.4	25
105	Synchronization of Isolated Downstates (K-Complexes) May Be Caused by Cortically-Induced Disruption of Thalamic Spindling. PLoS Computational Biology, 2014, 10, e1003855.	3.2	25
106	Multi-modal Approach for Affective Computing. , 2018, 2018, 291-294.		25
107	Electrocardiogram classification using delay differential equations. Chaos, 2013, 23, 023132.	2.5	24
108	VolRoverN: Enhancing Surface and Volumetric Reconstruction for Realistic Dynamical Simulation of Cellular and Subcellular Function. Neuroinformatics, 2014, 12, 277-289.	2.8	23

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109	Thalamocortical and intracortical laminar connectivity determines sleep spindle properties. PLoS Computational Biology, 2018, 14, e1006171.	3.2	23
110	Simulations of a Reconstructed Cerebellar Purkinje Cell Based on Simplified Channel Kinetics. Neural Computation, 1991, 3, 321-332.	2.2	22
111	Place Cell Rate Remapping by CA3 Recurrent Collaterals. PLoS Computational Biology, 2014, 10, e1003648.	3.2	21
112	Nonlinear dynamics underlying sensory processing dysfunction in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3847-3852.	7.1	21
113	Non-Linear Dynamical Classification of Short Time Series of the RÃ¶ssler System in High Noise Regimes. Frontiers in Neurology, 2013, 4, 182.	2.4	20
114	Objective, computerized video-based rating of blepharospasm severity. Neurology, 2016, 87, 2146-2153.	1.1	20
115	Interpretation of the Precision Matrix and Its Application in Estimating Sparse Brain Connectivity during Sleep Spindles from Human Electrocorticography Recordings. Neural Computation, 2017, 29, 603-642.	2.2	20
116	Top-Down Inputs Enhance Orientation Selectivity in Neurons of the Primary Visual Cortex during Perceptual Learning. PLoS Computational Biology, 2014, 10, e1003770.	3.2	18
117	Structured networks support sparse traveling waves in rodent somatosensory cortex. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5277-5282.	7.1	18
118	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. PLoS Computational Biology, 2020, 16, e1008015.	3.2	18
119	Diversity-enabled sweet spots in layered architectures and speedâ€“accuracy trade-offs in sensorimotor control. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
120	Periodic Forcing of Inhibition-Stabilized Networks: Nonlinear Resonances and Phase-Amplitude Coupling. Neural Computation, 2015, 27, 2477-2509.	2.2	17
121	MCell-R: A Particle-Resolution Network-Free Spatial Modeling Framework. Methods in Molecular Biology, 2019, 1945, 203-229.	0.9	17
122	The Population Tracking Model: A Simple, Scalable Statistical Model for Neural Population Data. Neural Computation, 2017, 29, 50-93.	2.2	16
123	Exploration Bonuses and Dual Control. Machine Learning, 1996, 25, 5-22.	5.4	15
124	Synapses get smarter. Nature, 1996, 382, 759-760.	27.8	15
125	Predictive Learning of Temporal Sequences in Recurrent Neocortical Circuits. Novartis Foundation Symposium, 2008, 239, 208-233.	1.1	15
126	Neural Networks: Sleep and memory. Current Biology, 1995, 5, 832-834.	3.9	14

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127	Impact of Affective Multimedia Content on the Electroencephalogram and Facial Expressions. Scientific Reports, 2019, 9, 16295.	3.3	14
128	Irregular synchronous activity in stochastically-coupled networks of integrate-and-fire neurons. Network: Computation in Neural Systems, 1998, 9, 333-344.	3.6	14
129	Model reduction for stochastic CaMKII reaction kinetics in synapses by graph-constrained correlation dynamics. Physical Biology, 2015, 12, 045005.	1.8	13
130	Differential Covariance: A New Class of Methods to Estimate Sparse Connectivity from Neural Recordings. Neural Computation, 2017, 29, 2581-2632.	2.2	13
131	Delay Differential Analysis of Seizures in Multichannel Electrocorticography Data. Neural Computation, 2017, 29, 3181-3218.	2.2	13
132	A multi-state model of the CaMKII dodecamer suggests a role for calmodulin in maintenance of autophosphorylation. PLoS Computational Biology, 2019, 15, e1006941.	3.2	13
133	Analysis of fMRI data by blind separation into independent spatial components. Human Brain Mapping, 1998, 6, 160-188.	3.6	13
134	Irregular synchronous activity in stochastically-coupled networks of integrate-and-fire neurons. Network: Computation in Neural Systems, 1998, 9, 333-344.	3.6	12
135	Time-coded neurotransmitter release at excitatory and inhibitory synapses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1108-15.	7.1	12
136	Constraining constructivism: Cortical and sub-cortical constraints on learning in development. Behavioral and Brain Sciences, 2000, 23, 785-791.	0.7	11
137	Causality detection in cortical seizure dynamics using cross-dynamical delay differential analysis. Chaos, 2019, 29, 101103.	2.5	11
138	Geometry unites synchrony, chimeras, and waves in nonlinear oscillator networks. Chaos, 2022, 32, 031104.	2.5	11
139	Dynamical differential covariance recovers directional network structure in multiscale neural systems. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
140	Prospective Optimization. Proceedings of the IEEE, 2014, 102, 799-811.	21.3	10
141	Delay Differential Analysis of Electroencephalographic Data. Neural Computation, 2015, 27, 615-627.	2.2	10
142	Conservation law for self-paced movements. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8831-8836.	7.1	10
143	Heterogeneities in Axonal Structure and Transporter Distribution Lower Dopamine Reuptake Efficiency. ENeuro, 2018, 5, ENEURO.0298-17.2017.	1.9	10
144	Dnmt3a knockout in excitatory neurons impairs postnatal synapse maturation and increases the repressive histone modification H3K27me3. ELife, 0, 11, .	6.0	10

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145	Predicting the fMRI Signal Fluctuation with Recurrent Neural Networks Trained on Vascular Network Dynamics. Cerebral Cortex, 2021, 31, 826-844.	2.9	9
146	Toward a Semi-Self-Paced EEG Brain Computer Interface: Decoding Initiation State from Non-Initiation State in Dedicated Time Slots. PLoS ONE, 2014, 9, e88915.	2.5	9
147	Identifying Transport Behavior of Single-Molecule Trajectories. Biophysical Journal, 2014, 107, 2345-2351.	0.5	7
148	Motor adaptation and generalization of reaching movements using motor primitives based on spatial coordinates. Journal of Neurophysiology, 2015, 113, 1217-1233.	1.8	7
149	The nucleus does not significantly affect the migratory trajectories of amoeba in two-dimensional environments. Scientific Reports, 2019, 9, 16369.	3.3	7
150	Population dynamics and theta rhythm phase precession of hippocampal place cell firing: A spiking neuron model. , 0, .		7
151	Emerging principles of spacetime in brains: Meeting report on spatial neurodynamics. Neuron, 2022, 110, 1894-1898.	8.1	7
152	Efficient Multiscale Models of Polymer Assembly. Biophysical Journal, 2016, 111, 185-196.	0.5	6
153	Ketamine independently modulated power and phase-coupling of theta oscillations in Sp4 hypomorphic mice. PLoS ONE, 2018, 13, e0193446.	2.5	6
154	Characterizing Brain Connectivity From Human Electrocorticography Recordings With Unobserved Inputs During Epileptic Seizures. Neural Computation, 2019, 31, 1271-1326.	2.2	6
155	The Computational Self. Annals of the New York Academy of Sciences, 2003, 1001, 262-271.	3.8	5
156	Heterogeneity of Preictal Dynamics in Human Epileptic Seizures. IEEE Access, 2020, 8, 52738-52748.	4.2	5
157	Feedforward Thalamocortical Connectivity Preserves Stimulus Timing Information in Sensory Pathways. Journal of Neuroscience, 2019, 39, 7674-7688.	3.6	4
158	Dynamical ergodicity DDA reveals causal structure in time series. Chaos, 2021, 31, 103108.	2.5	4
159	In Memoriam. Neuron, 2004, 43, 619-621.	8.1	3
160	The Hippocampus Review. Science, 2007, 317, 44-45.	12.6	3
161	Consequences of non-uniform active currents in dendrites. Frontiers in Neuroscience, 2009, 3, 332-3.	2.8	3
162	Vernon Mountcastle: Father of neuroscience. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6523-6524.	7.1	3

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163	Decision-making neural circuits mediating social behaviors. Journal of Computational Neuroscience, 2017, 43, 127-142.	1.0	3
164	Independent component analysis of fMRI data: Examining the assumptions. , 1998, 6, 368.		3
165	Learning the Synaptic and Intrinsic Membrane Dynamics Underlying Working Memory in Spiking Neural Network Models. Neural Computation, 2021, 33, 3264-3287.	2.2	3
166	Multivariate spectral analysis of electroencephalography data. , 2013, , .		2
167	Consciousness. Daedalus, 2015, 144, 123-132.	1.8	2
168	Analysis of fMRI data by blind separation into independent spatial components. , 1998, 6, 160.		2
169	Multiscale modeling of presynaptic dynamics from molecular to mesoscale. PLoS Computational Biology, 2022, 18, e1010068.	3.2	2
170	What is consolidated during sleep-dependent motor skill learning?. Behavioral and Brain Sciences, 2005, 28, 70-71.	0.7	1
171	Summary: Cognition in 2014: Figure 1.. Cold Spring Harbor Symposia on Quantitative Biology, 2014, 79, 237-241.	1.1	1
172	Street View of the Cognitive Map. Cell, 2016, 164, 13-15.	28.9	1
173	PERCEPTIONS OF SCIENCE: Tap into Science 24-7. Science, 2003, 301, 601-601.	12.6	0
174	Horace Barlow: a vision scientist for the ages. Biological Cybernetics, 2021, 115, 115-116.	1.3	0
175	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
176	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
177	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
178	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
179	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0
180	Interactions between calmodulin and neurogranin govern the dynamics of CaMKII as a leaky integrator. , 2020, 16, e1008015.		0