

Anthony N Burkitt

List of Publications by Citations

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139
papers

3,050
citations

32
h-index

51
g-index

157
ext. papers

3,854
ext. citations

3.6
avg, IF

5.23
L-index

#	Paper	IF	Citations
139	First-in-human trial of a novel suprachoroidal retinal prosthesis. <i>PLoS ONE</i> , 2014 , 9, e115239	3.7	201
138	Minimally invasive endovascular stent-electrode array for high-fidelity, chronic recordings of cortical neural activity. <i>Nature Biotechnology</i> , 2016 , 34, 320-7	44.5	127
137	Temporal processing from the auditory nerve to the medial nucleus of the trapezoid body in the rat. <i>Hearing Research</i> , 2001 , 159, 101-16	3.9	93
136	A linear-nonlinear model accurately predicts cortical responses to simultaneous electrical stimulation with a retinal implant. <i>BMC Neuroscience</i> , 2014 , 15, P95	3.2	78
135	Seizure dynamics: a computational model based approach demonstrating variability in seizure mechanisms. <i>BMC Neuroscience</i> , 2014 , 15,	3.2	78
134	Goal-directed control with cortical units that are gated by both top-down feedback and oscillatory coherence. <i>BMC Neuroscience</i> , 2014 , 15, P197	3.2	78
133	STDP encodes oscillation frequencies in the connections of recurrent networks of spiking neurons. <i>BMC Neuroscience</i> , 2012 , 13,	3.2	78
132	Onset-inhibition in the auditory brainstem: a potential mechanism for signal enhancement of speech-like sounds. <i>BMC Neuroscience</i> , 2013 , 14,	3.2	78
131	Spatial shaping of neural activity using electrical stimulation. <i>BMC Neuroscience</i> , 2013 , 14,	3.2	78
130	Predicting the location of the axon initial segment using spike waveform analysis: simulations of retinal ganglion cell physiology. <i>BMC Neuroscience</i> , 2013 , 14,	3.2	78
129	Requirements for the robust operant conditioning of neural firing rates. <i>BMC Neuroscience</i> , 2013 , 14,	3.2	78
128	The neurodynamics of epilepsy: a homotopy analysis between current-based and conductance-based synapses in a neural field model of epilepsy. <i>BMC Neuroscience</i> , 2015 , 16,	3.2	78
127	Computational neural modelling of auditory cortical receptive fields. <i>BMC Neuroscience</i> , 2015 , 16,	3.2	78
126	The interaction between integration and segmentation neurons for motion perception. <i>BMC Neuroscience</i> , 2015 , 16,	3.2	78
125	An increase in the extracellular potassium concentration can cause seizures. <i>BMC Neuroscience</i> , 2015 , 16,	3.2	78
124	A bifurcation analysis of a modified neural field model: conductance-based synapses act as an anti-epileptic regulatory mechanism. <i>BMC Neuroscience</i> , 2011 , 12,	3.2	78
123	Transmission of spiking-rate information through layered networks: the role of recurrent and feedback connections. <i>BMC Neuroscience</i> , 2007 , 8,	3.2	78

122	System size dependence of the autocorrelation time for the Swendsen-Wang Ising model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 162, 210-214	3.3	72
121	Spike-timing-dependent plasticity: the relationship to rate-based learning for models with weight dynamics determined by a stable fixed point. <i>Neural Computation</i> , 2004 , 16, 885-940	2.9	67
120	Emergence of network structure due to spike-timing-dependent plasticity in recurrent neuronal networks. I. Input selectivity--strengthening correlated input pathways. <i>Biological Cybernetics</i> , 2009 , 101, 81-102	2.8	58
119	Patient-specific bivariate-synchrony-based seizure prediction for short prediction horizons. <i>Epilepsy Research</i> , 2010 , 91, 214-31	3	57
118	Critical slowing down as a biomarker for seizure susceptibility. <i>Nature Communications</i> , 2020 , 11, 2172	17.4	50
117	Closed-loop seizure control with very high frequency electrical stimulation at seizure onset in the GAERS model of absence epilepsy. <i>International Journal of Neural Systems</i> , 2011 , 21, 163-73	6.2	50
116	Shot noise in the leaky integrate-and-fire neuron. <i>Physical Review E</i> , 2001 , 63, 031902	2.4	47
115	Emergence of network structure due to spike-timing-dependent plasticity in recurrent neuronal networks IV: structuring synaptic pathways among recurrent connections. <i>Biological Cybernetics</i> , 2009 , 101, 427-44	2.8	45
114	Electrical probing of cortical excitability in patients with epilepsy. <i>Epilepsy and Behavior</i> , 2011 , 22 Suppl 1, S110-8	3.2	41
113	Modeling extracellular electrical stimulation: I. Derivation and interpretation of neurite equations. <i>Journal of Neural Engineering</i> , 2012 , 9, 065005	5	39
112	Seizure detection using seizure probability estimation: comparison of features used to detect seizures. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 2129-45	4.7	39
111	An analytical model for the "large, fluctuating synaptic conductance state" typical of neocortical neurons in vivo. <i>Journal of Computational Neuroscience</i> , 2004 , 16, 159-75	1.4	36
110	Emergence of network structure due to spike-timing-dependent plasticity in recurrent neuronal networks III: Partially connected neurons driven by spontaneous activity. <i>Biological Cybernetics</i> , 2009 , 101, 411-26	2.8	34
109	Heating of the eye by a retinal prosthesis: modeling, cadaver and in vivo study. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 339-45	5	33
108	Emergence of network structure due to spike-timing-dependent plasticity in recurrent neuronal networks. II. Input selectivity--symmetry breaking. <i>Biological Cybernetics</i> , 2009 , 101, 103-14	2.8	32
107	Exploring the tolerability of spatiotemporally complex electrical stimulation paradigms. <i>Epilepsy Research</i> , 2011 , 96, 267-75	3	30
106	Motor neuroprosthesis implanted with neurointerventional surgery improves capacity for activities of daily living tasks in severe paralysis: first in-human experience. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 102-108	7.8	28
105	Modelling extracellular electrical stimulation: part 3. Derivation and interpretation of neural tissue equations. <i>Journal of Neural Engineering</i> , 2014 , 11, 065004	5	26

104	Modelling intrinsic electrophysiological properties of ON and OFF retinal ganglion cells. <i>Journal of Computational Neuroscience</i> , 2011 , 31, 547-61	1.4	26
103	Parallelization of a cluster algorithm. <i>Computer Physics Communications</i> , 1989 , 54, 201-209	4.2	26
102	Predictive coding of visual object position ahead of moving objects revealed by time-resolved EEG decoding. <i>NeuroImage</i> , 2018 , 171, 55-61	7.9	25
101	Emergence of network structure due to spike-timing-dependent plasticity in recurrent neuronal networks V: self-organization schemes and weight dependence. <i>Biological Cybernetics</i> , 2010 , 103, 365-86 ^{2.8}	2.8	24
100	Chronic impedance spectroscopy of an endovascular stent-electrode array. <i>Journal of Neural Engineering</i> , 2016 , 13, 046020	5	24
99	Diamond Devices for High Acuity Prosthetic Vision. <i>Advanced Biology</i> , 2017 , 1, e1600003	3.5	23
98	Retinal prosthesis safety: alterations in microglia morphology due to thermal damage and retinal implant contact 2012 , 53, 7802-12		23
97	Summation of spatiotemporal input patterns in leaky integrate-and-fire neurons: application to neurons in the cochlear nucleus receiving converging auditory nerve fiber input. <i>Journal of Computational Neuroscience</i> , 2002 , 12, 55-73	1.4	23
96	Intracellular responses of the rat cochlear nucleus to sound and its role in temporal coding. <i>NeuroReport</i> , 1997 , 8, 3415-21	1.7	22
95	Changes in ganglion cells during retinal degeneration. <i>Neuroscience</i> , 2016 , 329, 1-11	3.9	22
94	Modeling extracellular electrical stimulation: II. Computational validation and numerical results. <i>Journal of Neural Engineering</i> , 2012 , 9, 065006	5	21
93	Modelling extracellular electrical stimulation: part 4. Effect of the cellular composition of neural tissue on its spatio-temporal filtering properties. <i>Journal of Neural Engineering</i> , 2014 , 11, 065005	5	20
92	Learning a sparse code for temporal sequences using STDP and sequence compression. <i>Neural Computation</i> , 2011 , 23, 2567-98	2.9	20
91	Delay analysis in the auditory brainstem of the rat: comparison with click latency. <i>Hearing Research</i> , 2001 , 159, 85-100	3.9	18
90	Neural Responses to Multielectrode Stimulation of Healthy and Degenerate Retina 2017 , 58, 3770-3784		16
89	Predictive Coding with Neural Transmission Delays: A Real-Time Temporal Alignment Hypothesis. <i>ENeuro</i> , 2019 , 6,	3.9	16
88	The effect of morphology upon electrophysiological responses of retinal ganglion cells: simulation results. <i>Journal of Computational Neuroscience</i> , 2014 , 36, 157-75	1.4	15
87	Parallelization of the Ising model and its performance evaluation. <i>Parallel Computing</i> , 1990 , 13, 345-357	1	15

86	Interplay of intrinsic and synaptic conductances in the generation of high-frequency oscillations in interneuronal networks with irregular spiking. <i>PLoS Computational Biology</i> , 2014 , 10, e1003574	5	14
85	Frequency selectivity emerging from spike-timing-dependent plasticity. <i>Neural Computation</i> , 2012 , 24, 2251-79	2.9	14
84	Delay selection by spike-timing-dependent plasticity in recurrent networks of spiking neurons receiving oscillatory inputs. <i>PLoS Computational Biology</i> , 2013 , 9, e1002897	5	14
83	Prediction of cortical responses to simultaneous electrical stimulation of the retina. <i>Journal of Neural Engineering</i> , 2017 , 14, 016006	5	13
82	A Channel Model for Inferring the Optimal Number of Electrodes for Future Cochlear Implants. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 928-940	2.8	13
81	The effect of visual cues on auditory stream segregation in musicians and non-musicians. <i>PLoS ONE</i> , 2010 , 5, e11297	3.7	13
80	Minimizing activation of overlying axons with epiretinal stimulation: The role of fiber orientation and electrode configuration. <i>PLoS ONE</i> , 2018 , 13, e0193598	3.7	13
79	High-Frequency Oscillations in Epilepsy: What Have We Learned and What Needs to be Addressed. <i>Neurology</i> , 2021 , 96, 439-448	6.5	13
78	Spectral analysis of input spike trains by spike-timing-dependent plasticity. <i>PLoS Computational Biology</i> , 2012 , 8, e1002584	5	12
77	An investigation of dendritic delay in octopus cells of the mammalian cochlear nucleus. <i>Frontiers in Computational Neuroscience</i> , 2012 , 6, 83	3.5	11
76	Seizure severity and duration in the cortical stimulation model of experimental epilepsy in rats: a longitudinal study. <i>Epilepsy Research</i> , 2010 , 89, 261-70	3	11
75	An integrated model of pitch perception incorporating place and temporal pitch codes with application to cochlear implant research. <i>Hearing Research</i> , 2017 , 344, 135-147	3.9	10
74	Electrical receptive fields of retinal ganglion cells: Influence of presynaptic neurons. <i>PLoS Computational Biology</i> , 2018 , 14, e1005997	5	9
73	Thermal heating of a retinal prosthesis: thermal model and in-vitro study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 1597-600	0.9	8
72	Representation of input structure in synaptic weights by spike-timing-dependent plasticity. <i>Physical Review E</i> , 2010 , 82, 021912	2.4	8
71	Spectral distribution of local field potential responses to electrical stimulation of the retina. <i>Journal of Neural Engineering</i> , 2016 , 13, 036003	5	8
70	Global activity shaping strategies for a retinal implant. <i>Journal of Neural Engineering</i> , 2019 , 16, 026008	5	8
69	Biophysical basis of the linear electrical receptive fields of retinal ganglion cells. <i>Journal of Neural Engineering</i> , 2018 , 15, 055001	5	7

68	Spatiotemporal Patterns of High-Frequency Activity (80-170 Hz) in Long-Term Intracranial EEG. <i>Neurology</i> , 2021 , 96, e1070-e1081	6.5	7
67	Feasibility of a chronic, minimally invasive endovascular neural interface. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 4455-4458	0.9	6
66	Observability limits for networked oscillators. <i>Automatica</i> , 2014 , 50, 1087-1099	5.7	6
65	Single-compartment models of retinal ganglion cells with different electrophysiologies. <i>Network: Computation in Neural Systems</i> , 2017 , 28, 74-93	0.7	6
64	Broadband onset inhibition can suppress spectral splatter in the auditory brainstem. <i>PLoS ONE</i> , 2015 , 10, e0126500	3.7	6
63	Ventral cochlear nucleus coding of voice onset time in naturally spoken syllables. <i>Hearing Research</i> , 2004 , 190, 37-59	3.9	6
62	A Possible Role for End-Stopped V1 Neurons in the Perception of Motion: A Computational Model. <i>PLoS ONE</i> , 2016 , 11, e0164813	3.7	6
61	Computational Neural Modeling of Auditory Cortical Receptive Fields. <i>Frontiers in Computational Neuroscience</i> , 2019 , 13, 28	3.5	5
60	Toward a Biologically Plausible Model of LGN-V1 Pathways Based on Efficient Coding. <i>Frontiers in Neural Circuits</i> , 2019 , 13, 13	3.5	5
59	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. <i>BMC Neuroscience</i> , 2017 , 18,	3.2	5
58	A biologically-based computational model of visual cortex that overcomes the X-junction illusion. <i>Neural Networks</i> , 2018 , 102, 10-20	9.1	5
57	Feasibility of Nitrogen Doped Ultrananocrystalline Diamond Microelectrodes for Electrophysiological Recording From Neural Tissue. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018 , 6, 85	5.8	5
56	Learning Pitch with STDP: A Computational Model of Place and Temporal Pitch Perception Using Spiking Neural Networks. <i>PLoS Computational Biology</i> , 2016 , 12, e1004860	5	5
55	Spike history neural response model. <i>Journal of Computational Neuroscience</i> , 2015 , 38, 463-81	1.4	4
54	Application of a pitch perception model to investigate the effect of stimulation field spread on the pitch ranking abilities of cochlear implant recipients. <i>Hearing Research</i> , 2014 , 316, 129-37	3.9	4
53	Embracing the irregular: a patient-specific image processing strategy for visual prostheses. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3563-6	0.9	4
52	Information theoretic inference of the optimal number of electrodes for future cochlear implants using a spiral cochlea model. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 2965-8	0.9	4
51	Critical slowing as a biomarker for seizure susceptibility		4

50	Seizure likelihood varies with day-to-day variations in sleep duration in patients with refractory focal epilepsy: A longitudinal electroencephalography investigation. <i>EClinicalMedicine</i> , 2021 , 37, 100934 ^{11.3}	4
49	Compensation for Traveling Wave Delay Through Selection of Dendritic Delays Using Spike-Timing-Dependent Plasticity in a Model of the Auditory Brainstem. <i>Frontiers in Computational Neuroscience</i> , 2018 , 12, 36	3.5 3
48	Pattern Motion Processing by MT Neurons. <i>Frontiers in Neural Circuits</i> , 2019 , 13, 43	3.5 3
47	Coexistence of reward and unsupervised learning during the operant conditioning of neural firing rates. <i>PLoS ONE</i> , 2014 , 9, e87123	3.7 3
46	Goal-directed control with cortical units that are gated by both top-down feedback and oscillatory coherence. <i>Frontiers in Neural Circuits</i> , 2014 , 8, 94	3.5 3
45	Optimized single pulse stimulation strategy for retinal implants. <i>Journal of Neural Engineering</i> , 2013 , 10, 016003	5 3
44	Internal inconsistencies in models of electrical stimulation in neural tissue. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 5946-9	0.9 3
43	Differential stimulation of ON and OFF retinal ganglion cells: a modeling study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 4246-9	0.9 3
42	Spiking neuron model for temporal sequence recognition. <i>Neural Computation</i> , 2010 , 22, 61-93	2.9 3
41	Across-frequency delays based on the cochlear traveling wave: enhanced speech presentation for cochlear implants. <i>IEEE Transactions on Biomedical Engineering</i> , 2010 , 57, 596-606	5 3
40	A cochlear implant speech processing strategy based on an auditory model	3
39	Suprachoroidal Retinal Prostheses 2017 , 125-138	3
38	Spatiotemporal patterns of high-frequency activity (80-170 Hz) in long-term intracranial EEG	3
37	Predictive coding with neural transmission delays: a real-time temporal alignment hypothesis	3
36	Predictive Visual Motion Extrapolation Emerges Spontaneously and without Supervision at Each Layer of a Hierarchical Neural Network with Spike-Timing-Dependent Plasticity. <i>Journal of Neuroscience</i> , 2021 , 41, 4428-4438	6.6 3
35	Improved visual performance in letter perception through edge orientation encoding in a retinal prosthesis simulation. <i>Journal of Neural Engineering</i> , 2014 , 11, 066002	5 2
34	A comparison of open-loop and closed-loop stimulation strategies to control excitation of retinal ganglion cells. <i>Biomedical Signal Processing and Control</i> , 2014 , 14, 164-174	4.9 2
33	Modeling intrinsic electrophysiology of All amacrine cells: preliminary results. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 6551-4	0.9 2

32	Effect of soma polarization on electrical stimulation thresholds of retinal ganglion cells 2013 ,		2
31	Viability of the inner retina in a novel mouse model of retinitis pigmentosa. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010</i> , 2010, 553-6	0.9	2
30	Simulating electrical stimulation of degenerative retinal ganglion cells with bi-phasic pulse trains. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011</i> , 2011, 7103-6	0.9	2
29	Predicting phosphene elicitation in patients with retinal implants: a mathematical study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011</i> , 2011, 6246-9	0.9	2
28	Sinusoidal Stimulation of Retinal Bipolar Cells: A Modelling Study 2012 ,		2
27	In vivo feasibility of epiretinal stimulation using ultrananocrystalline diamond electrodes. <i>Journal of Neural Engineering, 2020</i> , 17, 045014	5	2
26	A Minimally Invasive Endovascular Stent-Electrode Array for Chronic Recordings of Cortical Neural Activity. <i>Springer Briefs in Electrical and Computer Engineering, 2017</i> , 55-63	0.4	1
25	The Neurodynamics of Epilepsy: Synaptic regulation and reversal potential modulation during seizures in a neural field model with conductance-based synapses. <i>BMC Neuroscience, 2013</i> , 14,	3.2	1
24	Multicompartment retinal ganglion cells response to high frequency bi-phasic pulse train stimulation: Simulation results. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2013, 2013</i> , 69-72	0.9	1
23	Probing for cortical excitability. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011</i> , 2011, 1644-7	0.9	1
22	Speech coding with traveling wave delays: Desynchronizing cochlear implant frequency bands with cochlea-like group delays. <i>Speech Communication, 2009</i> , 51, 1114-1123	2.8	1
21	Theoretical framework for estimating the conductivity map of the retina through finite element analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011</i> , 2011, 6721-4	0.9	1
20	Feature accentuation in phosphenated images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2012</i> , 2012, 5915-8	0.9	1
19	Minimisation of required charge for desired neuronal spike rate. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2012</i> , 2012, 3009-12	0.9	1
18	Determining the electrical impedance of the retina from a complex voltage map. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2012</i> , 2012, 3005-8	0.9	1
17	The thalamocortical circuit and the generation of epileptic spikes in rat models of focal epilepsy. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009</i> , 2009, 1533-6	0.9	1
16	Dynamically adjustable contrast enhancement from cortical background activity. <i>Neurocomputing, 2005</i> , 65-66, 633-639	5.4	1
15	Parallel Algorithms for Statistical Physics Problems. <i>Topics in Applied Physics, 1992</i> , 53-74	0.5	1

14	Learning an efficient hippocampal place map from entorhinal inputs using non-negative sparse coding		1
13	Learning an Efficient Hippocampal Place Map from Entorhinal Inputs Using Non-Negative Sparse Coding. <i>ENeuro</i> , 2021 , 8,	3.9	1
12	A computational model of orientation-dependent activation of retinal ganglion cells. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 5447-5450	0.9	1
11	Bistability in Hodgkin-Huxley-type equations. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 4728-4731	0.9	1
10	Parallel algorithms for statistical physics problems. <i>Topics in Applied Physics</i> , 1992 , 53-74	0.5	1
9	Geometrically Parallel Algorithms. <i>Springer Series in Information Sciences</i> , 1991 , 75-104		0
8	Learning receptive field properties of complex cells in V1. <i>PLoS Computational Biology</i> , 2021 , 17, e1007957		0
7	Impact of axonal delay on structure development in a multi-layered network. <i>Neural Networks</i> , 2021 , 144, 737-754	9.1	0
6	Feedback stimulation strategy: control of retinal ganglion cells activation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 1703-6	0.9	
5	Retinal ganglion cells electrophysiology: the effect of cell morphology on impulse waveform. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 2583-6	0.9	
4	Spike-Timing Dependent Plasticity in Recurrently Connected Networks with Fixed External Inputs. <i>Lecture Notes in Computer Science</i> , 2008 , 102-111	0.9	
3	Computer Simulation Methods. <i>Springer Series in Information Sciences</i> , 1991 , 5-35		
2	Optimised attractor neural networks with external inputs. <i>Lecture Notes in Computer Science</i> , 1993 , 167-172		
1	Adaptive Surround Modulation of MT Neurons: A Computational Model. <i>Frontiers in Neural Circuits</i> , 2020 , 14, 529345	3.5	