Jianfeng Feng

List of Publications by Year
in descending order

223 papers	7,453 citations	66315 42 h-index	76872 74 g-index
232 all docs	232 docs citations	232 times ranked	8883 citing authors

#	Article	IF	Citations
1	Automated anatomical labelling atlas 3. NeuroImage, 2020, 206, 116189.	2.1	777
2	Analyzing multiple nonlinear time series with extended Granger causality. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 324, 26-35.	0.9	304
3	Neural, electrophysiological and anatomical basis of brain-network variability and its characteristic changes in mental disorders. Brain, 2016, 139, 2307-2321.	3.7	292
4	Medial reward and lateral non-reward orbitofrontal cortex circuits change in opposite directions in depression. Brain, 2016, 139, 3296-3309.	3.7	224
5	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
6	Partial Granger causalityâ€”Eliminating exogenous inputs and latent variables. Journal of Neuroscience Methods, 2008, 172, 79-93.	1.3	183
7	The orbitofrontal cortex: reward, emotion and depression. Brain Communications, 2020, 2, fcaa196.	1.5	169
8	Functional Connectivities in the Brain That Mediate the Association Between Depressive Problems and Sleep Quality. JAMA Psychiatry, 2018, 75, 1052.	6.0	165
9	Voxel-based, brain-wide association study of aberrant functional connectivity in schizophrenia implicates thalamocortical circuitry. NPJ Schizophrenia, 2015, 1, 15016.	2.0	137
10	Emergent Synchronous Bursting of Oxytocin Neuronal Network. PLoS Computational Biology, 2008, 4, e1000123.	1.5	131
11	Stability of synchronous oscillations in a system of Hodgkin-Huxley neurons with delayed diffusive and pulsed coupling. Physical Review E, 2005, 71, 061904.	0.8	125
12	Detecting time-dependent coherence between non-stationary electrophysiological signalsâ€”A combined statistical and timeâ€“frequency approach. Journal of Neuroscience Methods, 2006, 156, 322-332.	1.3	108
13	Task and resting-state fMRI studies in first-episode schizophrenia: A systematic review. Schizophrenia Research, 2017, 189, 9-18.	1.1	99
14	Using real-time fMRI to influence effective connectivity in the developing emotion regulation network. NeuroImage, 2016, 125, 616-626.	2.1	98
15	Granger causality vs. dynamic Bayesian network inference: a comparative study. BMC Bioinformatics, 2009, 10, 122.	1.2	97
16	Differential alterations of restingâ€state functional connectivity in generalized anxiety disorder and panic disorder. Human Brain Mapping, 2016, 37, 1459-1473.	1.9	96
17	Material Memristive Device Circuits with Synaptic Plasticity: Learning and Memory. BioNanoScience, 2011, 1, 24-30.	1.5	93
18	Voxel Selection in fMRI Data Analysis Based on Sparse Representation. IEEE Transactions on Biomedical Engineering, 2009, 56, 2439-2451.	2.5	87

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19	Functional connectivity of the orbitofrontal cortex, anterior cingulate cortex, and inferior frontal gyrus in humans. Cortex, 2020, 123, 185-199.	1.1	84
20	Pattern Classification of Large-Scale Functional Brain Networks: Identification of Informative Neuroimaging Markers for Epilepsy. PLoS ONE, 2012, 7, e36733.	1.1	83
21	Dendrodendritic Inhibition and Simulated Odor Responses in a Detailed Olfactory Bulb Network Model. Journal of Neurophysiology, 2003, 90, 1921-1935.	0.9	80
22	Functional Connectivity of the Anterior Cingulate Cortex in Depression and in Health. Cerebral Cortex, 2019, 29, 3617-3630.	1.6	79
23	Symptom improvement in children with autism spectrum disorder following bumetanide administration is associated with decreased GABA/glutamate ratios. Translational Psychiatry, 2020, 10, 9.	2.4	78
24	Individual classification of ADHD patients by integrating multiscale neuroimaging markers and advanced pattern recognition techniques. Frontiers in Systems Neuroscience, 2012, 6, 58.	1.2	77
25	Increasing power for voxel-wise genome-wide association studies: The random field theory, least square kernel machines and fast permutation procedures. NeuroImage, 2012, 63, 858-873.	2.1	76
26	Is the integrate-and-fire model good enough?â€”a review. Neural Networks, 2001, 14, 955-975.	3.3	74
27	Key functional circuitry altered in schizophrenia involves parietal regions associated with sense of self. Human Brain Mapping, 2014, 35, 123-139.	1.9	73
28	Uncovering Interactions in the Frequency Domain. PLoS Computational Biology, 2008, 4, e1000087.	1.5	65
29	Persistent Sodium Current Is a Nonsynaptic Substrate for Long-Term Associative Memory. Current Biology, 2008, 18, 1221-1226.	1.8	64
30	Brain-wide functional inter-hemispheric disconnection is a potential biomarker for schizophrenia and distinguishes it from depression. NeuroImage: Clinical, 2013, 2, 818-826.	1.4	62
31	Frequency-dependent amplitude alterations of resting-state spontaneous fluctuations in idiopathic generalized epilepsy. Epilepsy Research, 2014, 108, 853-860.	0.8	60
32	The Sodium-Potassium Pump Controls the Intrinsic Firing of the Cerebellar Purkinje Neuron. PLoS ONE, 2012, 7, e51169.	1.1	59
33	Chlorophyll a predictability and relative importance of factors governing lake phytoplankton at different timescales. Science of the Total Environment, 2019, 648, 472-480.	3.9	59
34	Rsu1 regulates ethanol consumption in Drosophila and humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4085-93.	3.3	57
35	Neural and genetic determinants of creativity. NeuroImage, 2018, 174, 164-176.	2.1	57
36	Oxytocin Receptor Genotype Modulates Ventral Striatal Activity to Social Cues and Response to Stressful Life Events. Biological Psychiatry, 2014, 76, 367-376.	0.7	53

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37	Neural basis of reward anticipation and its genetic determinants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3879-3884.	3.3	53
38	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
39	Attention-Dependent Modulation of Cortical Taste Circuits Revealed by Granger Causality with Signal-Dependent Noise. PLoS Computational Biology, 2013, 9, e1003265.	1.5	51
40	Learning alters theta amplitude, theta-gamma coupling and neuronal synchronization in inferotemporal cortex. BMC Neuroscience, 2011, 12, 55.	0.8	47
41	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
42	Aberrant functional connectivity for diagnosis of major depressive disorder: A discriminant analysis. Psychiatry and Clinical Neurosciences, 2014, 68, 110-119.	1.0	46
43	Functional Connectivity of the Precuneus in Unmedicated Patients With Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 1040-1049.	1.1	46
44	Functional Connectome Prediction of Anxiety Related to the COVID-19 Pandemic. American Journal of Psychiatry, 2021, 178, 530-540.	4.0	46
45	Is partial coherence a viable technique for identifying generators of neural oscillations?. Biological Cybernetics, 2004, 90, 318-26.	0.6	44
46	The human orbitofrontal cortex, vmPFC, and anterior cingulate cortex effective connectome: emotion, memory, and action. Cerebral Cortex, 2022, 33, 330-356.	1.6	43
47	Effective Connectivity in Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 187-197.	1.1	42
48	A reduced compartmental model of the mitral cell for use in network models of the olfactory bulb. Brain Research Bulletin, 2000, 51, 393-399.	1.4	41
49	A Geometrical Method to Improve Performance of the Support Vector Machine. IEEE Transactions on Neural Networks, 2007, 18, 942-947.	4.8	40
50	Hopf bifurcation analysis for a two-neuron network with four delaysâ˜†. Chaos, Solitons and Fractals, 2007, 34, 795-812.	2.5	40
51	On the Spectral Characterization and Scalable Mining of Network Communities. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 326-337.	4.0	40
52	Cognitive training can reduce the rate of cognitive aging: a neuroimaging cohort study. BMC Geriatrics, 2016, 16, 12.	1.1	40
53	The brain structure and genetic mechanisms underlying the nonlinear association between sleep duration, cognition and mental health. Nature Aging, 2022, 2, 425-437.	5.3	40
54	Synchronization in networks with random interactions: Theory and applications. Chaos, 2006, 16, 015109.	1.0	39

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55	Dynamic control of a central pattern generator circuit: a computational model of the snail feeding network. European Journal of Neuroscience, 2007, 25, 2805-2818.	1.2	38
56	A machine learning approach to explore the spectra intensity pattern of peptides using tandem mass spectrometry data. BMC Bioinformatics, 2008, 9, 325.	1.2	38
57	Decreased brain connectivity in smoking contrasts with increased connectivity in drinking. ELife, 2019, 8, .	2.8	38
58	Rhythmic Dynamics and Synchronization via Dimensionality Reduction: Application to Human Gait. PLoS Computational Biology, 2010, 6, e1001033.	1.5	37
59	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
60	Beyond Element-Wise Interactions: Identifying Complex Interactions in Biological Processes. PLoS ONE, 2009, 4, e6899.	1.1	34
61	The Fault Lies on the Other Side: Altered Brain Functional Connectivity in Psychiatric Disorders is Mainly Caused by Counterpart Regions in the Opposite Hemisphere. Cerebral Cortex, 2015, 25, 3475-3486.	1.6	34
62	Effective connectivity in autism. Autism Research, 2020, 13, 32-44.	2.1	34
63	A Self-Organizing State-Space-Model Approach for Parameter Estimation in Hodgkin-Huxley-Type Models of Single Neurons. PLoS Computational Biology, 2012, 8, e1002401.	1.5	33
64	Spatio-temporal Granger causality: A new framework. NeuroImage, 2013, 79, 241-263.	2.1	33
65	Anatomical Distance Affects Functional Connectivity in Patients With Schizophrenia and Their Siblings. Schizophrenia Bulletin, 2014, 40, 449-459.	2.3	33
66	Connections of the Human Orbitofrontal Cortex and Inferior Frontal Gyrus. Cerebral Cortex, 2020, 30, 5830-5843.	1.6	33
67	A Novel Extended Granger Causal Model Approach Demonstrates Brain Hemispheric Differences during Face Recognition Learning. PLoS Computational Biology, 2009, 5, e1000570.	1.5	32
68	Cue-Guided Search: A Computational Model of Selective Attention. IEEE Transactions on Neural Networks, 2005, 16, 910-924.	4.8	31
69	What Is the Link Between Attention-Deficit/Hyperactivity Disorder and Sleep Disturbance? AÂMultimodal Examination of Longitudinal Relationships and Brain Structure Using Large-Scale Population-Based Cohorts. Biological Psychiatry, 2020, 88, 459-469.	0.7	31
70	Integrate-and-fire Models with Nonlinear Leakage. Bulletin of Mathematical Biology, 2000, 62, 467-481.	0.9	30
71	A Dynamical Model Reveals Gene Co-Localizations in Nucleus. PLoS Computational Biology, 2011, 7, e1002094.	1.5	30
72	Role of noises in neural networks. Physical Review E, 1995, 52, 6593-6606.	0.8	29

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73	Suprathreshold stochastic resonance in neural processing tuned by correlation. Physical Review E, 2011, 84, 011923.	0.8	28
74	Probing Mechanisms for the Tissue-Specific Distribution and Biotransformation of Perfluoroalkyl Phosphinic Acids in Common Carp (Cyprinus carpio). Environmental Science & Technology, 2020, 54, 4932-4941.	4.6	28
75	Spike output jitter, mean firing time and coefficient of variation. Journal of Physics A, 1998, 31, 1239-1252.	1.6	27
76	Effect of temperature and glia in brain size enlargement and origin of allometric body-brain size scaling in vertebrates. BMC Evolutionary Biology, 2014, 14, 178.	3.2	27
77	A Brainâ€wide association study of DISC1 genetic variants reveals a relationship with the structure and functional connectivity of the precuneus in schizophrenia. Human Brain Mapping, 2014, 35, 5414-5430.	1.9	27
78	The Impact of Cognitive Training on Cerebral White Matter in Community-Dwelling Elderly: One-Year Prospective Longitudinal Diffusion Tensor Imaging Study. Scientific Reports, 2016, 6, 33212.	1.6	27
79	Detecting causality between different frequencies. Journal of Neuroscience Methods, 2008, 167, 367-375.	1.3	25
80	Adaptive identification of time delays in nonlinear dynamical models. Physical Review E, 2010, 82, 066210.	0.8	25
81	A pH ratiometrically responsive surface enhanced resonance Raman scattering probe for tumor acidic margin delineation and image-guided surgery. Chemical Science, 2020, 11, 4397-4402.	3.7	25
82	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
83	The Devil is in the Task: Exploiting Reciprocal Appearance-Localization Features for Monocular 3D Object Detection. , 2021, , .		24
84	Decision Time, Slow Inhibition, and Theta Rhythm. Journal of Neuroscience, 2010, 30, 14173-14181.	1.7	23
85	Adolescent binge drinking disrupts normal trajectories of brain functional organization and personality maturation. NeuroImage: Clinical, 2019, 22, 101804.	1.4	23
86	Hypertension is associated with reduced hippocampal connectivity and impaired memory. EBioMedicine, 2020, 61, 103082.	2.7	23
87	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
88	Multiple cortical visual streams in humans. Cerebral Cortex, 2023, 33, 3319-3349.	1.6	23
89	Training Spiking Neuronal Networks With Applications in Engineering Tasks. IEEE Transactions on Neural Networks, 2008, 19, 1626-1640.	4.8	22
90	Association of specific biotypes in patients with Parkinson disease and disease progression. Neurology, 2020, 95, e1445-e1460.	1.5	22

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91	The human posterior parietal cortex: effective connectome, and its relation to function. Cerebral Cortex, 2023, 33, 3142-3170.	1.6	21
92	Identifying interactions in the time and frequency domains in local and global networks - A Granger Causality Approach. BMC Bioinformatics, 2010, 11, 337.	1.2	20
93	Extensive cortical functional connectivity of the human hippocampal memory system. Cortex, 2022, 147, 83-101.	1.1	20
94	The generalization error of the symmetric and scaled support vector machines. IEEE Transactions on Neural Networks, 2001, 12, 1255-1260.	4.8	18
95	Efficiency of Brownian motors in terms of entropy production rate. Europhysics Letters, 2008, 84, 10014.	0.7	18
96	Balanced plasticity and stability of the electrical properties of a molluscan modulatory interneuron after classical conditioning: a computational study. Frontiers in Behavioral Neuroscience, 2010, 4, 19.	1.0	18
97	Granger causality with signal-dependent noise. NeuroImage, 2011, 57, 1422-1429.	2.1	18
98	Statistical testing and power analysis for brain-wide association study. Medical Image Analysis, 2018, 47, 15-30.	7.0	18
99	Associations between smoking and accelerated brain ageing. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 113, 110471.	2.5	18
100	Dynamics of moment neuronal networks. Physical Review E, 2006, 73, 041906.	0.8	17
101	Maximum Likelihood Decoding of Neuronal Inputs from an Interspike Interval Distribution. Neural Computation, 2009, 21, 3079-3105.	1.3	17
102	Role of tonic inhibition in associative reward conditioning in Lymnaea. Frontiers in Behavioral Neuroscience, 2010, 4, .	1.0	16
103	Locating unstable periodic orbits: When adaptation integrates into delayed feedback control. Physical Review E, 2010, 82, 046214.	0.8	16
104	Contrasting correlation patterns between environmental factors and chlorophyll levels in the global ocean. Global Biogeochemical Cycles, 2015, 29, 2095-2107.	1.9	16
105	Transdiagnostic and Illness-Specific Functional Dysconnectivity Across Schizophrenia, Bipolar Disorder, and Major Depressive Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 542-553.	1.1	16
106	Identifying transition rates of ionic channels via observations at asinglestate. Journal of Physics A, 2003, 36, 1195-1212.	1.6	15
107	Neural network involving medial orbitofrontal cortex and dorsal periaqueductal gray regulation in human alcohol abuse. Science Advances, 2021, 7, .	4.7	15
108	Noise in Attractor Networks in the Brain Produced by Graded Firing Rate Representations. PLoS ONE, 2011, 6, e23630.	1.1	15

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109	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
110	SGM3D: Stereo Guided Monocular 3D Object Detection. IEEE Robotics and Automation Letters, 2022, 7, 10478-10485.	3.3	15
111	Spike synchronization in a biophysically-detailed model of the olfactory bulb. Neurocomputing, 2001, 38-40, 515-521.	3.5	14
112	Neural Correlates of the Dual-Pathway Model for ADHD in Adolescents. American Journal of Psychiatry, 2020, 177, 844-854.	4.0	14
113	Sensation-seeking is related to functional connectivities of the medial orbitofrontal cortex with the anterior cingulate cortex. NeuroImage, 2020, 215, 116845.	2.1	14
114	Spiking perceptrons. IEEE Transactions on Neural Networks, 2006, 17, 803-807.	4.8	13
115	Is there a problem matching real and model CV(ISI)?. Neurocomputing, 1999, 26-27, 87-91.	3.5	12
116	Synchronization in stochastic coupled systems: theoretical results. Journal of Physics A, 2004, 37, 2163-2173.	1.6	12
117	SLC6A15 rs1545843 and Depression: Implications From Brain Imaging Data. American Journal of Psychiatry, 2013, 170, 805-805.	4.0	12
118	Origin of firing varibility of the integrate-and-fire model. Neurocomputing, 1999, 26-27, 117-122.	3.5	11
119	Integrate-and-fire and Hodgkin-Huxley models with current inputs. Journal of Physics A, 2001, 34, 1649-1664.	1.6	11
120	Training the integrate-and-fire model with the informax principle: I. Journal of Physics A, 2002, 35, 2379-2394.	1.6	11
121	Weberâ€™s law implies neural discharge more regular than a Poisson process. European Journal of Neuroscience, 2010, 31, 1006-1018.	1.2	11
122	Cortical folding and the potential for prognostic neuroimaging in schizophrenia. British Journal of Psychiatry, 2015, 207, 458-459.	1.7	11
123	Listen to Genes: Dealing with Microarray Data in the Frequency Domain. PLoS ONE, 2009, 4, e5098.	1.1	11
124	Bifurcations of Emergent Bursting in a Neuronal Network. PLoS ONE, 2012, 7, e38402.	1.1	11
125	Training integrate-and-fire neurons with the informax principle II. IEEE Transactions on Neural Networks, 2003, 14, 326-336.	4.8	10
126	Orbitofrontal Cortex Connectivity is Associated With Food Reward and Body Weight in Humans. Social Cognitive and Affective Neuroscience, 2021, , .	1.5	10

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127	Risk-taking in humans and the medial orbitofrontal cortex reward system. NeuroImage, 2022, 249, 118893.	2.1	10
128	Towards a mathematical foundation of minimum-variance theory. Journal of Physics A, 2002, 35, 7287-7304.	1.6	9
129	A nonparametric approach to extract information from interspike interval data. Journal of Neuroscience Methods, 2006, 150, 30-40.	1.3	9
130	Identifying transition rates of ionic channels of star-graph branch type. Journal of Physics A, 2006, 39, 9477-9491.	1.6	9
131	Variability of structurally constrained and unconstrained functional connectivity in schizophrenia. Human Brain Mapping, 2015, 36, 4529-4538.	1.9	9
132	Generalized reduced rank latent factor regression for high dimensional tensor fields, and neuroimaging-genetic applications. NeuroImage, 2017, 144, 35-57.	2.1	9
133	A Computational Study on Altered Theta-Gamma Coupling during Learning and Phase Coding. PLoS ONE, 2012, 7, e36472.	1.1	9
134	Behaviour of two-compartment models. Neurocomputing, 2001, 38-40, 205-211.	3.5	8
135	Increasing inhibitory inputincreasesneuronal firing rate: why and when? Diffusion process cases. Journal of Physics A, 2001, 34, 7493-7509.	1.6	8
136	A note on minimum-variance theory and beyond. Journal of Physics A, 2004, 37, 4685-4699.	1.6	8
137	Individual differences in schizophrenia. BJPsych Open, 2017, 3, 265-273.	0.3	8
138	A powerful and efficient multivariate approach for voxel-level connectome-wide association studies. NeuroImage, 2019, 188, 628-641.	2.1	8
139	Increased brain volume from higher cereal and lower coffee intake: shared genetic determinants and impacts on cognition and metabolism. Cerebral Cortex, 2022, 32, 5163-5174.	1.6	8
140	Decoding spikes in a spiking neuronal network. Journal of Physics A, 2004, 37, 5713-5727.	1.6	7
141	Negatively correlated firing: the functional meaning of lateral inhibition within cortical columns. Biological Cybernetics, 2006, 95, 431-453.	0.6	7
142	Learning alters theta-nested gamma oscillations in inferotemporal cortex. Nature Precedings, 0, , .	0.1	7
143	Filtering noise for synchronised activity in multi-trial electrophysiology data using Wiener and Kalman filters. BioSystems, 2009, 96, 1-13.	0.9	7
144	On a Gaussian neuronal field model. NeuroImage, 2010, 52, 913-933.	2.1	7

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145	Achieving modulated oscillations by feedback control. Physical Review E, 2014, 90, 022909.	0.8	7
146	A Bayesian modeling approach for phosphorus load apportionment in a reservoir with high water transfer disturbance. Environmental Science and Pollution Research, 2018, 25, 32395-32408.	2.7	7
147	Deep sequencing of HBV pre-S region reveals high heterogeneity of HBV genotypes and associations of word pattern frequencies with HCC. PLoS Genetics, 2018, 14, e1007206.	1.5	7
148	Capacity of the Hopfield model. Journal of Physics A, 1997, 30, 3383-3391.	1.6	6
149	Linsker-type Hebbian Learning: A Qualitative Analysis on the Parameter Space. Neural Networks, 1997, 10, 705-720.	3.3	6
150	Generalization errors of the simple perceptron. Journal of Physics A, 1998, 31, 4037-4048.	1.6	6
151	On the Critical Capacity of the Hopfield Model. Communications in Mathematical Physics, 2001, 216, 139-177.	1.0	6
152	Diversity of Intrinsic Frequency Encoding Patterns in Rat Cortical Neuronsâ€"Mechanisms and Possible Functions. PLoS ONE, 2010, 5, e9608.	1.1	6
153	Invariance Principles Allowing of Non-Lyapunov Functions for Estimating Attractor of Discrete Dynamical Systems. IEEE Transactions on Automatic Control, 2012, 57, 500-505.	3.6	6
154	Nonlinear association criterion, nonlinear Granger causality and related issues with applications to neuroimage studies. Journal of Neuroscience Methods, 2016, 262, 110-132.	1.3	6
155	Neural Biomarkers Distinguish Severe From Mild Autism Spectrum Disorder Among High-Functioning Individuals. Frontiers in Human Neuroscience, 2021, 15, 657857.	1.0	6
156	Symptom-Based Profiling and Multimodal Neuroimaging of a Large Preteenage Population Identifies Distinct Obsessive-Compulsive Disorderâ€"like Subtypes With Neurocognitive Differences. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, , .	1.1	6
157	Psychiatric disorders in China: strengths and challenges of contemporary research and clinical services. Psychological Medicine, 2021, 51, 1978-1991.	2.7	6
158	Sensory, somatomotor and internal mentation networks emerge dynamically in the resting brain with internal mentation predominating in older age. NeuroImage, 2021, 237, 118188.	2.1	6
159	Brain Signatures During Reward Anticipation Predict Persistent Attention-Deficit/Hyperactivity Disorder Symptoms. Journal of the American Academy of Child and Adolescent Psychiatry, 2022, 61, 1050-1061.	0.3	6
160	A modelling study on discrimination tasks. BioSystems, 2002, 67, 67-73.	0.9	5
161	Effects of correlated and synchronized stochastic inputs to leaky integrator neuronal model. Journal of Theoretical Biology, 2003, 222, 151-162.	0.8	5
162	Neuronal discrimination capacity. Journal of Physics A, 2003, 36, 12379-12398.	1.6	5

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163	A novel approach to detect hot-spots in large-scale multivariate data. BMC Bioinformatics, 2007, 8, 331.	1.2	5
164	Decoding spike train ensembles: tracking a moving stimulus. Biological Cybernetics, 2007, 96, 99-112.	0.6	5
165	Coherent peptide-mediated activity in a neuronal network controlled by subcellular signaling pathway: Experiments and modeling. Journal of Biotechnology, 2010, 149, 215-225.	1.9	5
166	A reversal coarseâ€grained analysis with application to an altered functional circuit in depression. Brain and Behavior, 2013, 3, 637-648.	1.0	5
167	Association between childhood trauma and risk for obesity: a putative neurocognitive developmental pathway. BMC Medicine, 2020, 18, 278.	2.3	5
168	Optimal Organization of Functional Connectivity Networks for Segregation and Integration With Large-Scale Critical Dynamics in Human Brains. Frontiers in Computational Neuroscience, 2021, 15, 641335.	1.2	5
169	Associations between polygenic risk scores and amplitude of low-frequency fluctuation of inferior frontal gyrus in schizophrenia. Journal of Psychiatric Research, 2022, 147, 4-12.	1.5	5
170	Establishment of topological maps â€" a model study. Neural Processing Letters, 1995, 2, 9-12.	2.0	4
171	Convergence to global minima for a class of diffusion processes. Physica A: Statistical Mechanics and Its Applications, 2000, 276, 465-476.	1.2	4
172	Low correlation between random synaptic inputs impacts considerably on the output of the Hodgkinâ€“Huxley model. Neurocomputing, 2000, 32-33, 61-66.	3.5	4
173	Impact of Geometrical Structures on the Output of Neuronal Models: A Theoretical and Numerical Analysis. Neural Computation, 2002, 14, 621-640.	1.3	4
174	Decoding Input Signals in Time Domainâ€"A Model Approach. Journal of Computational Neuroscience, 2004, 16, 237-249.	0.6	4
175	Detecting correlation changes in electrophysiological data. Journal of Neuroscience Methods, 2007, 161, 155-165.	1.3	4
176	On Modularity of Social Network Communities: The Spectral Characterization. , 2008, , .		4
177	Brain functional connectivities that mediate the association between childhood traumatic events, and adult mental health and cognition. EBioMedicine, 2022, 79, 104002.	2.7	4
178	MorbidGCN: prediction of multimorbidity with a graph convolutional network based on integration of population phenotypes and disease network. Briefings in Bioinformatics, 2022, 23, .	3.2	4
179	Structure of lateral inhibition in an olfactory bulb model. Lecture Notes in Computer Science, 1999, , 189-196.	1.0	3
180	Optimally decoding the input rate from an observation of the interspike intervals. Journal of Physics A, 2001, 34, 7475-7492.	1.6	3

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181	Sufficient and necessary condition for the convergence of stochastic approximation algorithms. Statistics and Probability Letters, 2006, 76, 203-210.	0.4	3
182	Learning alters theta-nested gamma oscillations in inferotemporal cortex. Nature Precedings, 0, , .	0.1	3
183	Allelic variation at 5-HTTLPR is associated with brain morphology in a Chinese population. Psychiatry Research, 2015, 226, 399-402.	1.7	3
184	Canonical kernel dimension reduction. Computational Statistics and Data Analysis, 2017, 107, 131-148.	0.7	3
185	Topographic diversity of structural connectivity in schizophrenia. Schizophrenia Research, 2020, 215, 181-189.	1.1	3
186	A theory of geometry representations for spatial navigation. Progress in Neurobiology, 2022, 211, 102228.	2.8	3
187	A model-based approach to assess reproducibility for large-scale high-throughput MRI-based studies. NeuroImage, 2022, 255, 119166.	2.1	3
188	Common abnormal connectivity in first-episode and chronic schizophrenia in pre- and post-central regions: Implications for neuromodulation targeting. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 117, 110556.	2.5	3
189	Synchronization driven by correlated inputs. Neurocomputing, 2000, 32-33, 371-378.	3.5	2
190	Balance between Four Types of Synaptic Input for the Integrate-and-Fire Model. Journal of Theoretical Biology, 2001, 209, 61-73.	0.8	2
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