

Jianfeng Feng

List of Publications by Year in descending order

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Version: 2024-02-01

223
papers

7,453
citations

66315

42
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76872

74
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all docs

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docs citations

232
times ranked

8883
citing authors

#	ARTICLE	IF	CITATIONS
1	The human posterior parietal cortex: effective connectome, and its relation to function. <i>Cerebral Cortex</i> , 2023, 33, 3142-3170.	1.6	21
2	Multiple cortical visual streams in humans. <i>Cerebral Cortex</i> , 2023, 33, 3319-3349.	1.6	23
3	Associations between smoking and accelerated brain ageing. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 113, 110471.	2.5	18
4	Extensive cortical functional connectivity of the human hippocampal memory system. <i>Cortex</i> , 2022, 147, 83-101.	1.1	20
5	Associations between polygenic risk scores and amplitude of low-frequency fluctuation of inferior frontal gyrus in schizophrenia. <i>Journal of Psychiatric Research</i> , 2022, 147, 4-12.	1.5	5
6	Increased brain volume from higher cereal and lower coffee intake: shared genetic determinants and impacts on cognition and metabolism. <i>Cerebral Cortex</i> , 2022, 32, 5163-5174.	1.6	8
7	A theory of geometry representations for spatial navigation. <i>Progress in Neurobiology</i> , 2022, 211, 102228.	2.8	3
8	Risk-taking in humans and the medial orbitofrontal cortex reward system. <i>NeuroImage</i> , 2022, 249, 118893.	2.1	10
9	The human orbitofrontal cortex, vmPFC, and anterior cingulate cortex effective connectome: emotion, memory, and action. <i>Cerebral Cortex</i> , 2022, 33, 330-356.	1.6	43
10	A model-based approach to assess reproducibility for large-scale high-throughput MRI-based studies. <i>NeuroImage</i> , 2022, 255, 119166.	2.1	3
11	Common abnormal connectivity in first-episode and chronic schizophrenia in pre- and post-central regions: Implications for neuromodulation targeting. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 117, 110556.	2.5	3
12	Brain Signatures During Reward Anticipation Predict Persistent Attention-Deficit/Hyperactivity Disorder Symptoms. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2022, 61, 1050-1061.	0.3	6
13	The brain structure and genetic mechanisms underlying the nonlinear association between sleep duration, cognition and mental health. <i>Nature Aging</i> , 2022, 2, 425-437.	5.3	40
14	Brain functional connectivities that mediate the association between childhood traumatic events, and adult mental health and cognition. <i>EBioMedicine</i> , 2022, 79, 104002.	2.7	4
15	Longer screen time utilization is associated with the polygenic risk for Attention-deficit/hyperactivity disorder with mediation by brain white matter microstructure. <i>EBioMedicine</i> , 2022, 80, 104039.	2.7	15
16	SGM3D: Stereo Guided Monocular 3D Object Detection. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 10478-10485.	3.3	15
17	MorbidGCN: prediction of multimorbidity with a graph convolutional network based on integration of population phenotypes and disease network. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	4
18	Reward Versus Nonreward Sensitivity of the Medial Versus Lateral Orbitofrontal Cortex Relates to the Severity of Depressive Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 259-269.	1.1	23

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19	Neural network involving medial orbitofrontal cortex and dorsal periaqueductal gray regulation in human alcohol abuse. <i>Science Advances</i> , 2021, 7, .	4.7	15
20	Optimal Organization of Functional Connectivity Networks for Segregation and Integration With Large-Scale Critical Dynamics in Human Brains. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 641335.	1.2	5
21	Neural Biomarkers Distinguish Severe From Mild Autism Spectrum Disorder Among High-Functioning Individuals. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 657857.	1.0	6
22	Functional Connectome Prediction of Anxiety Related to the COVID-19 Pandemic. <i>American Journal of Psychiatry</i> , 2021, 178, 530-540.	4.0	46
23	Multiscale “whole-cell” models to study neural information processing “ New insights from fly photoreceptor studies. <i>Journal of Neuroscience Methods</i> , 2021, 357, 109156.	1.3	2
24	Orbitofrontal Cortex Connectivity is Associated With Food Reward and Body Weight in Humans. <i>Social Cognitive and Affective Neuroscience</i> , 2021, , .	1.5	10
25	Symptom-Based Profiling and Multimodal Neuroimaging of a Large Preteenage Population Identifies Distinct Obsessive-Compulsive Disorder“like Subtypes With Neurocognitive Differences. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, , .	1.1	6
26	Psychiatric disorders in China: strengths and challenges of contemporary research and clinical services. <i>Psychological Medicine</i> , 2021, 51, 1978-1991.	2.7	6
27	Sensory, somatomotor and internal mentation networks emerge dynamically in the resting brain with internal mentation predominating in older age. <i>NeuroImage</i> , 2021, 237, 118188.	2.1	6
28	The Devil is in the Task: Exploiting Reciprocal Appearance-Localization Features for Monocular 3D Object Detection. , 2021, , .		24
29	Automated anatomical labelling atlas 3. <i>NeuroImage</i> , 2020, 206, 116189.	2.1	777
30	Effective connectivity in autism. <i>Autism Research</i> , 2020, 13, 32-44.	2.1	34
31	Functional connectivity of the orbitofrontal cortex, anterior cingulate cortex, and inferior frontal gyrus in humans. <i>Cortex</i> , 2020, 123, 185-199.	1.1	84
32	Topographic diversity of structural connectivity in schizophrenia. <i>Schizophrenia Research</i> , 2020, 215, 181-189.	1.1	3
33	Hypertension is associated with reduced hippocampal connectivity and impaired memory. <i>EBioMedicine</i> , 2020, 61, 103082.	2.7	23
34	Association of specific biotypes in patients with Parkinson disease and disease progression. <i>Neurology</i> , 2020, 95, e1445-e1460.	1.5	22
35	Association between childhood trauma and risk for obesity: a putative neurocognitive developmental pathway. <i>BMC Medicine</i> , 2020, 18, 278.	2.3	5
36	Neural Correlates of the Dual-Pathway Model for ADHD in Adolescents. <i>American Journal of Psychiatry</i> , 2020, 177, 844-854.	4.0	14

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37	Connections of the Human Orbitofrontal Cortex and Inferior Frontal Gyrus. <i>Cerebral Cortex</i> , 2020, 30, 5830-5843.	1.6	33
38	Probing Mechanisms for the Tissue-Specific Distribution and Biotransformation of Perfluoroalkyl Phosphinic Acids in Common Carp (<i>Cyprinus carpio</i>). <i>Environmental Science & Technology</i> , 2020, 54, 4932-4941.	4.6	28
39	Transdiagnostic and Illness-Specific Functional Dysconnectivity Across Schizophrenia, Bipolar Disorder, and Major Depressive Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 542-553.	1.1	16
40	What Is the Link Between Attention-Deficit/Hyperactivity Disorder and Sleep Disturbance? A Multimodal Examination of Longitudinal Relationships and Brain Structure Using Large-Scale Population-Based Cohorts. <i>Biological Psychiatry</i> , 2020, 88, 459-469.	0.7	31
41	A pH ratiometrically responsive surface enhanced resonance Raman scattering probe for tumor acidic margin delineation and image-guided surgery. <i>Chemical Science</i> , 2020, 11, 4397-4402.	3.7	25
42	Sensation-seeking is related to functional connectivities of the medial orbitofrontal cortex with the anterior cingulate cortex. <i>NeuroImage</i> , 2020, 215, 116845.	2.1	14
43	Symptom improvement in children with autism spectrum disorder following bumetanide administration is associated with decreased GABA/glutamate ratios. <i>Translational Psychiatry</i> , 2020, 10, 9.	2.4	78
44	The orbitofrontal cortex: reward, emotion and depression. <i>Brain Communications</i> , 2020, 2, fcaa196.	1.5	169
45	Chlorophyll a predictability and relative importance of factors governing lake phytoplankton at different timescales. <i>Science of the Total Environment</i> , 2019, 648, 472-480.	3.9	59
46	Adolescent binge drinking disrupts normal trajectories of brain functional organization and personality maturation. <i>NeuroImage: Clinical</i> , 2019, 22, 101804.	1.4	23
47	A powerful and efficient multivariate approach for voxel-level connectome-wide association studies. <i>NeuroImage</i> , 2019, 188, 628-641.	2.1	8
48	Functional Connectivity of the Anterior Cingulate Cortex in Depression and in Health. <i>Cerebral Cortex</i> , 2019, 29, 3617-3630.	1.6	79
49	Decreased brain connectivity in smoking contrasts with increased connectivity in drinking. <i>ELife</i> , 2019, 8, .	2.8	38
50	Neural and genetic determinants of creativity. <i>NeuroImage</i> , 2018, 174, 164-176.	2.1	57
51	An asymptotic theory for cross-correlation between auto-correlated sequences and its application on neuroimaging data. <i>Journal of Neuroscience Methods</i> , 2018, 304, 52-65.	1.3	0
52	Statistical testing and power analysis for brain-wide association study. <i>Medical Image Analysis</i> , 2018, 47, 15-30.	7.0	18
53	Effective Connectivity in Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 187-197.	1.1	42
54	Addendum: Voxel-based, brain-wide association study of aberrant functional connectivity in schizophrenia implicates thalamocortical circuitry. <i>NPJ Schizophrenia</i> , 2018, 4, 19.	2.0	2

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55	A Bayesian modeling approach for phosphorus load apportionment in a reservoir with high water transfer disturbance. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32395-32408.	2.7	7
56	Functional Connectivity of the Precuneus in Unmedicated Patients With Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 1040-1049.	1.1	46
57	Functional Connectivities in the Brain That Mediate the Association Between Depressive Problems and Sleep Quality. <i>JAMA Psychiatry</i> , 2018, 75, 1052.	6.0	165
58	Deep sequencing of HBV pre-S region reveals high heterogeneity of HBV genotypes and associations of word pattern frequencies with HCC. <i>PLoS Genetics</i> , 2018, 14, e1007206.	1.5	7
59	Task and resting-state fMRI studies in first-episode schizophrenia: A systematic review. <i>Schizophrenia Research</i> , 2017, 189, 9-18.	1.1	99
60	Separate neural systems for behavioral change and for emotional responses to failure during behavioral inhibition. <i>Human Brain Mapping</i> , 2017, 38, 3527-3537.	1.9	35
61	Functional connectivity decreases in autism in emotion, self, and face circuits identified by Knowledge-based Enrichment Analysis. <i>NeuroImage</i> , 2017, 148, 169-178.	2.1	52
62	Individual differences in schizophrenia. <i>BJPsych Open</i> , 2017, 3, 265-273.	0.3	8
63	Canonical kernel dimension reduction. <i>Computational Statistics and Data Analysis</i> , 2017, 107, 131-148.	0.7	3
64	Generalized reduced rank latent factor regression for high dimensional tensor fields, and neuroimaging-genetic applications. <i>NeuroImage</i> , 2017, 144, 35-57.	2.1	9
65	Differential alterations of resting-state functional connectivity in generalized anxiety disorder and panic disorder. <i>Human Brain Mapping</i> , 2016, 37, 1459-1473.	1.9	96
66	Comparing data assimilation filters for parameter estimation in a neuron model. , 2016, , .		0
67	The Impact of Cognitive Training on Cerebral White Matter in Community-Dwelling Elderly: One-Year Prospective Longitudinal Diffusion Tensor Imaging Study. <i>Scientific Reports</i> , 2016, 6, 33212.	1.6	27
68	Neural, electrophysiological and anatomical basis of brain-network variability and its characteristic changes in mental disorders. <i>Brain</i> , 2016, 139, 2307-2321.	3.7	292
69	Medial reward and lateral non-reward orbitofrontal cortex circuits change in opposite directions in depression. <i>Brain</i> , 2016, 139, 3296-3309.	3.7	224
70	Cognitive training can reduce the rate of cognitive aging: a neuroimaging cohort study. <i>BMC Geriatrics</i> , 2016, 16, 12.	1.1	40
71	Nonlinear association criterion, nonlinear Granger causality and related issues with applications to neuroimage studies. <i>Journal of Neuroscience Methods</i> , 2016, 262, 110-132.	1.3	6
72	Using real-time fMRI to influence effective connectivity in the developing emotion regulation network. <i>NeuroImage</i> , 2016, 125, 616-626.	2.1	98

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73	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
74	Contrasting correlation patterns between environmental factors and chlorophyll levels in the global ocean. Global Biogeochemical Cycles, 2015, 29, 2095-2107.	1.9	16
75	Voxel-based, brain-wide association study of aberrant functional connectivity in schizophrenia implicates thalamocortical circuitry. NPJ Schizophrenia, 2015, 1, 15016.	2.0	137
76	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
77	Variability of structurally constrained and unconstrained functional connectivity in schizophrenia. Human Brain Mapping, 2015, 36, 4529-4538.	1.9	9
78	Cortical folding and the potential for prognostic neuroimaging in schizophrenia. British Journal of Psychiatry, 2015, 207, 458-459.	1.7	11
79	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
80	Rsu1 regulates ethanol consumption in <i>Drosophila</i> and humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4085-93.	3.3	57
81	Allelic variation at 5-HTTLPR is associated with brain morphology in a Chinese population. Psychiatry Research, 2015, 226, 399-402.	1.7	3
82	A statistical approach for detecting common features. Journal of Neuroscience Methods, 2015, 247, 1-12.	1.3	0
83	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
84	Anatomical Distance Affects Functional Connectivity in Patients With Schizophrenia and Their Siblings. Schizophrenia Bulletin, 2014, 40, 449-459.	2.3	33
85	A Brain-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
86	Aberrant functional connectivity for diagnosis of major depressive disorder: A discriminant analysis. Psychiatry and Clinical Neurosciences, 2014, 68, 110-119.	1.0	46
87	Altered functional connectivity links in neuroleptic-naïve and neuroleptic-treated patients with schizophrenia, and their relation to symptoms including volition. Neurolmage: Clinical, 2014, 6, 463-474.	1.4	24
88	Key functional circuitry altered in schizophrenia involves parietal regions associated with sense of self. Human Brain Mapping, 2014, 35, 123-139.	1.9	73
89	Achieving modulated oscillations by feedback control. Physical Review E, 2014, 90, 022909.	0.8	7
90	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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91	Frequency-dependent amplitude alterations of resting-state spontaneous fluctuations in idiopathic generalized epilepsy. <i>Epilepsy Research</i> , 2014, 108, 853-860.	0.8	60
92	Brain-wide functional inter-hemispheric disconnection is a potential biomarker for schizophrenia and distinguishes it from depression. <i>NeuroImage: Clinical</i> , 2013, 2, 818-826.	1.4	62
93	Spatio-temporal Granger causality: A new framework. <i>NeuroImage</i> , 2013, 79, 241-263.	2.1	33
94	SLC6A15 rs1545843 and Depression: Implications From Brain Imaging Data. <i>American Journal of Psychiatry</i> , 2013, 170, 805-805.	4.0	12
95	Achieving precise mechanical control in intrinsically noisy systems. <i>New Journal of Physics</i> , 2013, 15, 063012.	1.2	1
96	Attention-Dependent Modulation of Cortical Taste Circuits Revealed by Granger Causality with Signal-Dependent Noise. <i>PLoS Computational Biology</i> , 2013, 9, e1003265.	1.5	51
97	A reversal coarse-grained analysis with application to an altered functional circuit in depression. <i>Brain and Behavior</i> , 2013, 3, 637-648.	1.0	5
98	Neuronal Synfire Chain via Moment Neuronal Network Approach. <i>Lecture Notes in Computer Science</i> , 2013, , 191-198.	1.0	0
99	On the Spectral Characterization and Scalable Mining of Network Communities. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2012, 24, 326-337.	4.0	40
100	A Self-Organizing State-Space-Model Approach for Parameter Estimation in Hodgkin-Huxley-Type Models of Single Neurons. <i>PLoS Computational Biology</i> , 2012, 8, e1002401.	1.5	33
101	Invariance Principles Allowing of Non-Lyapunov Functions for Estimating Attractor of Discrete Dynamical Systems. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 500-505.	3.6	6
102	Componential Granger causality, and its application to identifying the source and mechanisms of the top-down biased activation that controls attention to affective vs sensory processing. <i>NeuroImage</i> , 2012, 59, 1846-1858.	2.1	47
103	Increasing power for voxel-wise genome-wide association studies: The random field theory, least square kernel machines and fast permutation procedures. <i>NeuroImage</i> , 2012, 63, 858-873.	2.1	76
104	Pattern Classification of Large-Scale Functional Brain Networks: Identification of Informative Neuroimaging Markers for Epilepsy. <i>PLoS ONE</i> , 2012, 7, e36733.	1.1	83
105	The Sodium-Potassium Pump Controls the Intrinsic Firing of the Cerebellar Purkinje Neuron. <i>PLoS ONE</i> , 2012, 7, e51169.	1.1	59
106	Individual classification of ADHD patients by integrating multiscale neuroimaging markers and advanced pattern recognition techniques. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 58.	1.2	77
107	A Computational Study on Altered Theta-Gamma Coupling during Learning and Phase Coding. <i>PLoS ONE</i> , 2012, 7, e36472.	1.1	9
108	Bifurcations of Emergent Bursting in a Neuronal Network. <i>PLoS ONE</i> , 2012, 7, e38402.	1.1	11

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109	Granger causality with signal-dependent noise. <i>NeuroImage</i> , 2011, 57, 1422-1429.	2.1	18
110	Suprathreshold stochastic resonance in neural processing tuned by correlation. <i>Physical Review E</i> , 2011, 84, 011923.	0.8	28
111	Material Memristive Device Circuits with Synaptic Plasticity: Learning and Memory. <i>BioNanoScience</i> , 2011, 1, 24-30.	1.5	93
112	Learning alters theta amplitude, theta-gamma coupling and neuronal synchronization in inferotemporal cortex. <i>BMC Neuroscience</i> , 2011, 12, 55.	0.8	47
113	A Dynamical Model Reveals Gene Co-Localizations in Nucleus. <i>PLoS Computational Biology</i> , 2011, 7, e1002094.	1.5	30
114	Noise in Attractor Networks in the Brain Produced by Graded Firing Rate Representations. <i>PLoS ONE</i> , 2011, 6, e23630.	1.1	15
115	Granger Causality. , 2011, , 511-532.		0
116	Controlling precise movement with stochastic signals. <i>Biological Cybernetics</i> , 2010, 102, 441-450.	0.6	2
117	Identifying interactions in the time and frequency domains in local and global networks - A Granger Causality Approach. <i>BMC Bioinformatics</i> , 2010, 11, 337.	1.2	20
118	Coherent peptide-mediated activity in a neuronal network controlled by subcellular signaling pathway: Experiments and modeling. <i>Journal of Biotechnology</i> , 2010, 149, 215-225.	1.9	5
119	Weber's law implies neural discharge more regular than a Poisson process. <i>European Journal of Neuroscience</i> , 2010, 31, 1006-1018.	1.2	11
120	Balanced plasticity and stability of the electrical properties of a molluscan modulatory interneuron after classical conditioning: a computational study. <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, 19.	1.0	18
121	Role of tonic inhibition in associative reward conditioning in <i>Lymnaea</i> . <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, .	1.0	16
122	Diversity of Intrinsic Frequency Encoding Patterns in Rat Cortical Neurons' Mechanisms and Possible Functions. <i>PLoS ONE</i> , 2010, 5, e9608.	1.1	6
123	On Gaussian random neuronal field model: Moment neuronal network approach. , 2010, , .		0
124	Find synaptic topology from spike trains. , 2010, , .		0
125	Decision Time, Slow Inhibition, and Theta Rhythm. <i>Journal of Neuroscience</i> , 2010, 30, 14173-14181.	1.7	23
126	Rhythmic Dynamics and Synchronization via Dimensionality Reduction: Application to Human Gait. <i>PLoS Computational Biology</i> , 2010, 6, e1001033.	1.5	37

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127	On a Gaussian neuronal field model. <i>NeuroImage</i> , 2010, 52, 913-933.	2.1	7
128	Adaptive identification of time delays in nonlinear dynamical models. <i>Physical Review E</i> , 2010, 82, 066210.	0.8	25
129	Locating unstable periodic orbits: When adaptation integrates into delayed feedback control. <i>Physical Review E</i> , 2010, 82, 046214.	0.8	16
130	Beyond Element-Wise Interactions: Identifying Complex Interactions in Biological Processes. <i>PLoS ONE</i> , 2009, 4, e6899.	1.1	34
131	Maximum Likelihood Decoding of Neuronal Inputs from an Interspike Interval Distribution. <i>Neural Computation</i> , 2009, 21, 3079-3105.	1.3	17
132	A Novel Extended Granger Causal Model Approach Demonstrates Brain Hemispheric Differences during Face Recognition Learning. <i>PLoS Computational Biology</i> , 2009, 5, e1000570.	1.5	32
133	Granger causality vs. dynamic Bayesian network inference: a comparative study. <i>BMC Bioinformatics</i> , 2009, 10, 122.	1.2	97
134	Impact of environmental inputs on reverse-engineering approach to network structures. <i>BMC Systems Biology</i> , 2009, 3, 113.	3.0	2
135	Voxel Selection in fMRI Data Analysis Based on Sparse Representation. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 2439-2451.	2.5	87
136	Filtering noise for synchronised activity in multi-trial electrophysiology data using Wiener and Kalman filters. <i>BioSystems</i> , 2009, 96, 1-13.	0.9	7
137	Listen to Genes: Dealing with Microarray Data in the Frequency Domain. <i>PLoS ONE</i> , 2009, 4, e5098.	1.1	11
138	Stability of the dynamics of an asymmetric neural network. <i>Communications on Pure and Applied Analysis</i> , 2009, 8, 655-671.	0.4	0
139	Partial Granger causality—Eliminating exogenous inputs and latent variables. <i>Journal of Neuroscience Methods</i> , 2008, 172, 79-93.	1.3	183
140	Detecting causality between different frequencies. <i>Journal of Neuroscience Methods</i> , 2008, 167, 367-375.	1.3	25
141	A machine learning approach to explore the spectra intensity pattern of peptides using tandem mass spectrometry data. <i>BMC Bioinformatics</i> , 2008, 9, 325.	1.2	38
142	Persistent Sodium Current Is a Nonsynaptic Substrate for Long-Term Associative Memory. <i>Current Biology</i> , 2008, 18, 1221-1226.	1.8	64
143	Training Spiking Neuronal Networks With Applications in Engineering Tasks. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 1626-1640.	4.8	22
144	Uncovering Interactions in the Frequency Domain. <i>PLoS Computational Biology</i> , 2008, 4, e1000087.	1.5	65

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145	Emergent Synchronous Bursting of Oxytocin Neuronal Network. PLoS Computational Biology, 2008, 4, e1000123.	1.5	131
146	On Modularity of Social Network Communities: The Spectral Characterization. , 2008, , .		4
147	Efficiency of Brownian motors in terms of entropy production rate. Europhysics Letters, 2008, 84, 10014.	0.7	18
148	Moment neuronal networks: stochastic computation in neuronal systems. , 2007, , .		0
149	A Geometrical Method to Improve Performance of the Support Vector Machine. IEEE Transactions on Neural Networks, 2007, 18, 942-947.	4.8	40
150	Hopf bifurcation analysis for a two-neuron network with four delays†. Chaos, Solitons and Fractals, 2007, 34, 795-812.	2.5	40
151	Detecting correlation changes in electrophysiological data. Journal of Neuroscience Methods, 2007, 161, 155-165.	1.3	4
152	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
153	A novel approach to detect hot-spots in large-scale multivariate data. BMC Bioinformatics, 2007, 8, 331.	1.2	5
154	Decoding spike train ensembles: tracking a moving stimulus. Biological Cybernetics, 2007, 96, 99-112.	0.6	5
155	Spiking perceptrons. IEEE Transactions on Neural Networks, 2006, 17, 803-807.	4.8	13
156	A nonparametric approach to extract information from interspike interval data. Journal of Neuroscience Methods, 2006, 150, 30-40.	1.3	9
157	Detecting time-dependent coherence between non-stationary electrophysiological signalsA combined statistical and time-frequency approach. Journal of Neuroscience Methods, 2006, 156, 322-332.	1.3	108
158	Population approach to a neural discrimination task. Biological Cybernetics, 2006, 94, 180-191.	0.6	1
159	Negatively correlated firing: the functional meaning of lateral inhibition within cortical columns. Biological Cybernetics, 2006, 95, 431-453.	0.6	7
160	Sufficient and necessary condition for the convergence of stochastic approximation algorithms. Statistics and Probability Letters, 2006, 76, 203-210.	0.4	3
161	Identifying transition rates of ionic channels of star-graph branch type. Journal of Physics A, 2006, 39, 9477-9491.	1.6	9
162	Dynamics of moment neuronal networks. Physical Review E, 2006, 73, 041906.	0.8	17

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163	Synchronization in networks with random interactions: Theory and applications. <i>Chaos</i> , 2006, 16, 015109.	1.0	39
164	Impact of temperature and pH value on the stability of hGHRH: An MD approach. <i>Mathematical and Computer Modelling</i> , 2005, 41, 1157-1170.	2.0	2
165	Cue-Guided Search: A Computational Model of Selective Attention. <i>IEEE Transactions on Neural Networks</i> , 2005, 16, 910-924.	4.8	31
166	Stability of synchronous oscillations in a system of Hodgkin-Huxley neurons with delayed diffusive and pulsed coupling. <i>Physical Review E</i> , 2005, 71, 061904.	0.8	125
167	Synchronization in stochastic coupled systems: theoretical results. <i>Journal of Physics A</i> , 2004, 37, 2163-2173.	1.6	12
168	Decoding spikes in a spiking neuronal network. <i>Journal of Physics A</i> , 2004, 37, 5713-5727.	1.6	7
169	A note on minimum-variance theory and beyond. <i>Journal of Physics A</i> , 2004, 37, 4685-4699.	1.6	8
170	Stimulus-evoked synchronization in neuronal models. <i>Neurocomputing</i> , 2004, 58-60, 203-208.	3.5	1
171	Decoding Input Signals in Time Domain—A Model Approach. <i>Journal of Computational Neuroscience</i> , 2004, 16, 237-249.	0.6	4
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