Naoki Masuda

List of Publications by Year in Descending Order

219 papers	5,136 citations	37 h-index	60 g-index
294 ext. papers	6,082 ext. citations	3.5 avg, IF	6.44 L-index

#	Paper	IF	Citations
219	Temporal motifs in patent opposition and collaboration networks.. *Scientific Reports*, **2022**, 12, 1917	4.9	1
218	Accuracy of a one-dimensional reduction of dynamical systems on networks.. *Physical Review E*, **2022**, 105, 024305	2.4	3
217	Motor function and white matter connectivity in children cooled for neonatal encephalopathy. *NeuroImage: Clinical*, **2021**, 32, 102872	5.3	0
216	Epidemic dynamics on metapopulation networks with node2vec mobility. *Journal of Theoretical Biology*, **2021**, 534, 110960	2.3	2
215	A growth model for water distribution networks with loops.. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2021**, 477, 20210528	2.4	
214	Randomizing Hypergraphs Preserving Degree Correlation and Local Clustering. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	0
213	Recurrence in the evolution of air transport networks. *Scientific Reports*, **2021**, 11, 5514	4.9	2
212	A computational biomarker of juvenile myoclonic epilepsy from resting-state MEG. *Clinical Neurophysiology*, **2021**, 132, 922-927	4.3	1
211	Opinion dynamics on tie-decay networks. *Physical Review Research*, **2021**, 3,	3.9	2
210	Concurrency measures in the era of temporal network epidemiology: a review. *Journal of the Royal Society Interface*, **2021**, 18, 20210019	4.1	4
209	Detecting anomalous citation groups in journal networks. *Scientific Reports*, **2021**, 11, 14524	4.9	3
208	Modelling state-transition dynamics in resting-state brain signals by the hidden Markov and Gaussian mixture models. *European Journal of Neuroscience*, **2021**, 54, 5404-5416	3.5	1
207	Introduction to the special issue Economics and Complex Networks *Japanese Economic Review*, **2021**, 72, 1-4	0.5	
206	Recurrence quantification analysis of dynamic brain networks. *European Journal of Neuroscience*, **2021**, 53, 1040-1059	3.5	5
205	Network analysis of the immune state of mice. *Scientific Reports*, **2021**, 11, 4306	4.9	0
204	Finite-size effects on the convergence time in continuous-opinion dynamics. *Physical Review E*, **2021**, 104, 014309	2.4	0
203	Disrupted brain connectivity in children treated with therapeutic hypothermia for neonatal encephalopathy. *NeuroImage: Clinical*, **2021**, 30, 102582	5.3	5

202	Detecting problematic transactions in a consumer-to-consumer e-commerce network. *Applied Network Science*, **2020**, 5,	2.9	2
201	Energy landscape of resting magnetoencephalography reveals fronto-parietal network impairments in epilepsy. *Network Neuroscience*, **2020**, 4, 374-396	5.6	12
200	Closer to critical resting-state neural dynamics in individuals with higher fluid intelligence. *Communications Biology*, **2020**, 3, 52	6.7	16
199	Analysis of the susceptible-infected-susceptible epidemic dynamics in networks via the non-backtracking matrix. *IMA Journal of Applied Mathematics*, **2020**, 85, 214-230	1	1
198	Division of labour promotes the spread of information in colony emigrations by the ant. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20192950	4.4	6
197	Modeling temporal networks with bursty activity patterns of nodes and links. *Physical Review Research*, **2020**, 2,	3.9	10
196	Small inter-event times govern epidemic spreading on networks. *Physical Review Research*, **2020**, 2,	3.9	9
195	Critical mass effect in evolutionary games triggered by zealots. *Physical Review Research*, **2020**, 2,	3.9	8
194	Susceptible-infected-spreading-based network embedding in static and temporal networks. *EPJ Data Science*, **2020**, 9,	3.4	7
193	A Guide to Temporal Networks **2020**,		9
192	Analysis of node2vec random walks on networks. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2020**, 476, 20200447	2.4	3
191	Long-tailed distributions of inter-event times as mixtures of exponential distributions. *Royal Society Open Science*, **2020**, 7, 191643	3.3	3
190	Generative models of simultaneously heavy-tailed distributions of interevent times on nodes and edges. *Physical Review E*, **2020**, 102, 052303	2.4	2
189	Winning by hiding behind others: An analysis of speed skating data. *PLoS ONE*, **2020**, 15, e0237470	3.7	1
188	Focused attention meditation changes the boundary and configuration of functional networks in the brain. *Scientific Reports*, **2020**, 10, 18426	4.9	1
187	Estimating international trade status of countries from global liner shipping networks. *Royal Society Open Science*, **2020**, 7, 200386	3.3	3
186	Interplay between [Formula: see text]-core and community structure in complex networks. *Scientific Reports*, **2020**, 10, 14702	4.9	2
185	O8.6. IS JUMPING TO CONCLUSIONS BIAS ASSOCIATED WITH FREQUENT JUMPING TO SALIENCE-RELATED FUNCTIONAL BRAIN STATES?. *Schizophrenia Bulletin*, **2019**, 45, S185-S185	1.3	78

184   Multiscale core-periphery structure in a global liner shipping network. *Scientific Reports*, **2019**, 9, 404   4.9   13

183   Detecting sequences of system states in temporal networks. *Scientific Reports*, **2019**, 9, 795   4.9   21

182   Optimal Containment of Epidemics over Temporal Activity-Driven Networks. *SIAM Journal on Applied Mathematics*, **2019**, 79, 986-1006   1.8   16

181   Atypical intrinsic neural timescale in autism. *ELife*, **2019**, 8,   8.9   48

180   A mathematical look at empathy. *ELife*, **2019**, 8,   8.9   3

179   The Effect of Concurrency on Epidemic Threshold in Time-Varying Networks. *Computational Social Sciences*, **2019**, 253-267   0.7   1

178   Constructing networks by filtering correlation matrices: a null model approach. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2019**, 475, 20190578   2.4   4

177   Dynamical stability of water distribution networks. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2019**, 475, 20190291   2.4   2

176   A Gillespie Algorithm for Non-Markovian Stochastic Processes. *SIAM Review*, **2018**, 60, 95-115   7.4   28

175   Age-related changes in the ease of dynamical transitions in human brain activity. *Human Brain Mapping*, **2018**, 39, 2673-2688   5.9   20

174   Clustering Coefficients for Correlation Networks. *Frontiers in Neuroinformatics*, **2018**, 12, 7   3.9   33

173   Configuration model for correlation matrices preserving the node strength. *Physical Review E*, **2018**, 98, 012312   2.4   9

172   A generalised significance test for individual communities in networks. *Scientific Reports*, **2018**, 8, 7351   4.9   12

171   Population changes in residential clusters in Japan. *PLoS ONE*, **2018**, 13, e0197144   3.7   3

170   Structural changes in the interbank market across the financial crisis from multiple core-periphery analysis. *Journal of Network Theory in Finance*, **2018**, 4, 33-51   1.5   10

169   Zero-determinant strategies in finitely repeated games. *Journal of Theoretical Biology*, **2018**, 438, 61-77   2.3   24

168   Core-periphery structure requires something else in the network. *New Journal of Physics*, **2018**, 20, 043012   27

167   Distributed Agreement on Activity Driven Networks **2018**,   2

166	Variability in individual assessment behaviour and its implications for collective decision-making. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	22
165	Energy landscape analysis of neuroimaging data. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	40
164	Reinforcement learning accounts for moody conditional cooperation behavior: experimental results. *Scientific Reports*, **2017**, 7, 39275	4.9	20
163	Sampling of temporal networks: Methods and biases. *Physical Review E*, **2017**, 96, 052302	2.4	18
162	Introduction to Temporal Network Epidemiology. *Theoretical Biology*, **2017**, 1-16	0.2	3
161	Epidemic Threshold in Temporally-Switching Networks. *Theoretical Biology*, **2017**, 161-177	0.2	6
160	Random walks and diffusion on networks. *Physics Reports*, **2017**, 716-717, 1-58	27.7	272
159	Effects of the distant population density on spatial patterns of demographic dynamics. *Royal Society Open Science*, **2017**, 4, 170391	3.3	4
158	Concurrency-Induced Transitions in Epidemic Dynamics on Temporal Networks. *Physical Review Letters*, **2017**, 119, 108301	7.4	26
157	Finding multiple core-periphery pairs in networks. *Physical Review E*, **2017**, 96, 052313	2.4	25
156	Reinforcement learning account of network reciprocity. *PLoS ONE*, **2017**, 12, e0189220	3.7	7
155	Fragmenting networks by targeting collective influencers at a mesoscopic level. *Scientific Reports*, **2016**, 6, 37778	4.9	7
154	Random Walks on Directed Networks: Inference and Respondent-Driven Sampling. *Journal of Official Statistics*, **2016**, 32, 433-459	0.9	5
153	Accelerating coordination in temporal networks by engineering the link order. *Scientific Reports*, **2016**, 6, 22105	4.9	6
152	Individual-based approach to epidemic processes on arbitrary dynamic contact networks. *Scientific Reports*, **2016**, 6, 31456	4.9	23
151	A Guide to Temporal Networks **2016**,		83
150	Reinforcement Learning Explains Conditional Cooperation and Its Moody Cousin. *PLoS Computational Biology*, **2016**, 12, e1005034	5	25
149	Transient nature of cooperation by pay-it-forward reciprocity. *Scientific Reports*, **2016**, 6, 19471	4.9	9

148	Temporal interactions facilitate endemicity in the susceptible-infected-susceptible epidemic model. *New Journal of Physics*, **2016**, 18, 073013	2.9	22
147	Reply trees in Twitter: data analysis and branching process models. *Social Network Analysis and Mining*, **2016**, 6, 1	2.2	20
146	Steady state and mean recurrence time for random walks on stochastic temporal networks. *Physical Review E*, **2015**, 91, 012806	2.4	15
145	Impact of transient or persistent slow flow and adjunctive distal protection on mortality in ST-segment elevation myocardial infarction. *Cardiovascular Intervention and Therapeutics*, **2015**, 30, 121-30	3.5	4
144	Computational model of collective nest selection by ants with heterogeneous acceptance thresholds. *Royal Society Open Science*, **2015**, 2, 140533	3.3	11
143	Opinion control in complex networks. *New Journal of Physics*, **2015**, 17, 033031	2.9	50
142	Evolutionary dynamics in finite populations with zealots. *Journal of Mathematical Biology*, **2015**, 70, 465-84	2.2	9
141	Coronary angiographic characteristics that influence fractional flow reserve. *Circulation Journal*, **2015**, 79, 802-7	2.9	15
140	How ants use quorum sensing to estimate the average quality of a fluctuating resource. *Scientific Reports*, **2015**, 5, 11890	4.9	18
139	The basic reproduction number as a predictor for epidemic outbreaks in temporal networks. *PLoS ONE*, **2015**, 10, e0120567	3.7	48
138	Community detection in directed acyclic graphs. *European Physical Journal B*, **2015**, 88, 1	1.2	15
137	Win-stay lose-shift strategy in formation changes in football. *EPJ Data Science*, **2015**, 4,	3.4	13
136	Bayesian decision making in human collectives with binary choices. *PLoS ONE*, **2015**, 10, e0121332	3.7	10
135	Evolutionary models of in-group favoritism. *F1000prime Reports*, **2015**, 7, 27		25
134	Slowing down of linear consensus dynamics on temporal networks: some theoretical extensions**We acknowledge financial support provided by CREST, JST, Volk-swagenStiftung, and MINECO (Spain) and FEDER (EU) through the MODASS project (No. FIS2011-24785).. *IFAC-PapersOnLine*, **2015**, 48, 187-192	0.7	1
133	Network-dependent modulation of brain activity during sleep. *NeuroImage*, **2014**, 98, 1-10	7.9	29
132	Two distinct neural mechanisms underlying indirect reciprocity. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3990-5	11.5	54
131	Energy landscape and dynamics of brain activity during human bistable perception. *Nature Communications*, **2014**, 5, 4765	17.4	60

130	Global network structure of dominance hierarchy of ant workers. *Journal of the Royal Society Interface*, **2014**, 11,	4.1	22
129	Evolution via imitation among like-minded individuals. *Journal of Theoretical Biology*, **2014**, 349, 100-8	2.3	1
128	Impact of transport pathways on the time from symptom onset of ST-segment elevation myocardial infarction to door of coronary intervention facility. *Journal of Cardiology*, **2014**, 64, 11-8	3	12
127	Diagnostic accuracy of Global Registry of Acute Coronary Events (GRACE) risk score in ST-elevation myocardial infarction for in-hospital and 360-day mortality in Japanese patients. *Circulation Journal*, **2014**, 78, 2950-4	2.9	29
126	Iterated crowdsourcing dilemma game. *Scientific Reports*, **2014**, 4, 4100	4.9	8
125	Energy landscapes of resting-state brain networks. *Frontiers in Neuroinformatics*, **2014**, 8, 12	3.9	39
124	Random walk centrality for temporal networks. *New Journal of Physics*, **2014**, 16, 063023	2.9	36
123	Networks maximizing the consensus time of voter models. *Physical Review E*, **2014**, 90, 012816	2.4	5
122	Voter model on the two-clique graph. *Physical Review E*, **2014**, 90, 012802	2.4	22
121	Transradial intervention for patients with ST elevation myocardial infarction with or without cardiogenic shock. *Catheterization and Cardiovascular Interventions*, **2014**, 83, E1-7	2.7	7
120	Dynamics of social balance under temporal interaction. *Europhysics Letters*, **2014**, 107, 48003	1.6	14
119	Two types of well followed users in the followership networks of Twitter. *PLoS ONE*, **2014**, 9, e84265	3.7	5
118	A Model of Competition Among More than Two Languages. *Journal of Statistical Physics*, **2013**, 151, 289-303	1.3	4
117	Temporal networks: slowing down diffusion by long lasting interactions. *Physical Review Letters*, **2013**, 111, 188701	7.4	93
116	Indirect reciprocity with trinary reputations. *Journal of Theoretical Biology*, **2013**, 317, 338-47	2.3	25
115	Three-dimensional intravascular ultrasound evaluation of carina and plaque shift at the distal left main coronary artery bifurcation after treatment with a one-stent cross-over technique. *Catheterization and Cardiovascular Interventions*, **2013**, 81, 1142-9	2.7	5
114	A pairwise maximum entropy model accurately describes resting-state human brain networks. *Nature Communications*, **2013**, 4, 1370	17.4	94
113	Systematic analysis of neural projections reveals clonal composition of the Drosophila brain. *Current Biology*, **2013**, 23, 644-55	6.3	116

112	Regional wall motion abnormality at the lateral wall disturbs correlations between tissue Doppler E/e' ratios and left ventricular diastolic performance parameters measured by invasive methods. *Journal of Echocardiography*, **2013**, 11, 138-46	1.6	1
111	State concentration exponent as a measure of quickness in Kauffman-type networks. *Physical Review E*, **2013**, 87, 022814	2.4	5
110	Observability transitions in correlated networks. *Physical Review E*, **2013**, 88, 042809	2.4	11
109	Principal component analysis of odor coding at the level of third-order olfactory neurons in Drosophila. *Genes To Cells*, **2013**, 18, 1070-81	2.3	5
108	Collective opinion formation model under Bayesian updating and confirmation bias. *Physical Review E*, **2013**, 87, 062123	2.4	6
107	Inferring Directed Static Networks of Influence from Undirected Temporal Networks **2013**,		2
106	Voter models with contrarian agents. *Physical Review E*, **2013**, 88, 052803	2.4	25
105	Complex dynamics of a nonlinear voter model with contrarian agents. *Chaos*, **2013**, 23, 043136	3.3	18
104	Two types of Twitter users with equally many followers **2013**,		9
103	Predicting and controlling infectious disease epidemics using temporal networks. *F1000prime Reports*, **2013**, 5, 6		111
102	Suicide ideation of individuals in online social networks. *PLoS ONE*, **2013**, 8, e62262	3.7	32
101	Bursty communication patterns facilitate spreading in a threshold-based epidemic dynamics. *PLoS ONE*, **2013**, 8, e68629	3.7	73
100	Self-Exciting Point Process Modeling of Conversation Event Sequences. *Understanding Complex Systems*, **2013**, 245-264	0.4	15
99	Application of Semidefinite Programming to Maximize the Spectral Gap Produced by Node Removal. *Studies in Computational Intelligence*, **2013**, 155-163	0.8	2
98	Evolution of cooperation facilitated by reinforcement learning with adaptive aspiration levels. *Journal of Theoretical Biology*, **2012**, 293, 151-60	2.3	19
97	Structure of cell networks critically determines oscillation regularity. *Journal of Theoretical Biology*, **2012**, 297, 61-72	2.3	26
96	Ingroup favoritism and intergroup cooperation under indirect reciprocity based on group reputation. *Journal of Theoretical Biology*, **2012**, 311, 8-18	2.3	47
95	Groupwise information sharing promotes ingroup favoritism in indirect reciprocity. *BMC Evolutionary Biology*, **2012**, 12, 213	3	22

94	Evolution of cooperation driven by zealots. *Scientific Reports*, **2012**, 2, 646	4.9	35
93	Importance of individual events in temporal networks. *New Journal of Physics*, **2012**, 14, 093003	2.9	30
92	A network-based dynamical ranking system for competitive sports. *Scientific Reports*, **2012**, 2, 904	4.9	29
91	Dopamine modulates the rest period length without perturbation of its power law distribution in Drosophila melanogaster. *PLoS ONE*, **2012**, 7, e32007	3.7	31
90	Coevolution of trustful buyers and cooperative sellers in the trust game. *PLoS ONE*, **2012**, 7, e44169	3.7	11
89	Can partisan voting lead to truth?. *Journal of Statistical Mechanics: Theory and Experiment*, **2011**, 2011, L02002	1.9	20
88	Robustness of the Dpp morphogen activity gradient depends on negative feedback regulation by the inhibitory Smad, Dad. *Development Growth and Differentiation*, **2011**, 53, 668-78	3	30
87	Impact of chronic kidney disease on clinical and angiographic results following implantation of sirolimus-eluting coronary stents. *Cardiovascular Intervention and Therapeutics*, **2011**, 26, 18-25	2.5	6
86	Intravascular ultrasound-guided percutaneous coronary interventions with minimum contrast volume for prevention of the radiocontrast-induced nephropathy: report of two cases. *Cardiovascular Intervention and Therapeutics*, **2011**, 26, 83-8	2.5	14
85	Potential difficulty for accurate categorization of drug-eluting stent thrombosis without coronary angiography: unignorable involvement of the cases with new onset acute myocardial infarction occurred in target vessels. *Cardiovascular Intervention and Therapeutics*, **2011**, 26, 109-16	2.5	
84	A simple method preventing tangling of the guidewires during percutaneous coronary intervention for bifurcation lesions. *Cardiovascular Intervention and Therapeutics*, **2011**, 26, 117-23	2.5	
83	Numerical analysis of a reinforcement learning model with the dynamic aspiration level in the iterated Prisoner's dilemma. *Journal of Theoretical Biology*, **2011**, 278, 55-62	2.3	16
82	Voter model with non-Poissonian interevent intervals. *Physical Review E*, **2011**, 84, 036115	2.4	35
81	Predictability of Conversation Partners. *Physical Review X*, **2011**, 1,	9.1	34
80	Numerical study of a three-state host-parasite system on the square lattice. *Physical Review E*, **2011**, 83, 046102	2.4	1
79	Indirect reciprocity under incomplete observation. *PLoS Computational Biology*, **2011**, 7, e1002113	5	26
78	Robustness of networks against propagating attacks under vaccination strategies. *Journal of Statistical Mechanics: Theory and Experiment*, **2011**, 2011, P09014	1.9	5
77	Clustering in large networks does not promote upstream reciprocity. *PLoS ONE*, **2011**, 6, e25190	3.7	8

76	?????????????????????????????. *Journal of the Japan Society for Precision Engineering*, **2011**, 77, 145-148	0.1	
75	Synphilin-1 attenuates neuronal degeneration in the A53T alpha-synuclein transgenic mouse model. *Human Molecular Genetics*, **2010**, 19, 2087-98	5.6	56
74	Collective fluctuations in networks of noisy components. *New Journal of Physics*, **2010**, 12, 093007	2.9	22
73	Heterogeneous voter models. *Physical Review E*, **2010**, 82, 010103	2.4	80
72	Publisher's Note: Enhancing the spectral gap of networks by node removal [Phys. Rev. E 84, 046102 (2010)]. *Physical Review E*, **2010**, 82,	2.4	3
71	Enhancing the spectral gap of networks by node removal. *Physical Review E*, **2010**, 82, 046102	2.4	34
70	Dynamics-based centrality for directed networks. *Physical Review E*, **2010**, 82, 056107	2.4	14
69	Longitudinal characterization of brain atrophy of a Huntington's disease mouse model by automated morphological analyses of magnetic resonance images. *NeuroImage*, **2010**, 49, 2340-51	7.9	72
68	Effects of diffusion rates on epidemic spreads in metapopulation networks. *New Journal of Physics*, **2010**, 12, 093009	2.9	33
67	Synchronization transition of identical phase oscillators in a directed small-world network. *Chaos*, **2010**, 20, 033108	3.3	16
66	Intravascular ultrasound criteria for determination of optimal longitudinal positioning of sirolimus-eluting stents. *Circulation Journal*, **2010**, 74, 1609-16	2.9	39
65	Upstream reciprocity in heterogeneous networks. *Journal of Theoretical Biology*, **2010**, 265, 297-305	2.3	18
64	Statistical Properties of a Generalized Threshold Network Model. *Methodology and Computing in Applied Probability*, **2010**, 12, 361-377	0.6	6
63	Serial angiographic and endovascular documentation of peri-stent contrast stains after sirolimus-eluting stent implantation: Multiple cavity formations between entirely covered stent struts. *Journal of Cardiology Cases*, **2010**, 2, e4-e7	0.6	5
62	Long-tail behavior in locomotion of Caenorhabditis elegans. *Journal of Theoretical Biology*, **2010**, 267, 213-22	2.3	4
61	Analysis of peripheral arterial bends that interfere with coronary catheterization. *Journal of Invasive Cardiology*, **2010**, 22, 197-203	0.7	5
60	Analysis of relative influence of nodes in directed networks. *Physical Review E*, **2009**, 80, 046114	2.4	15
59	Self-organization of feed-forward structure and entrainment in excitatory neural networks with spike-timing-dependent plasticity. *Physical Review E*, **2009**, 79, 051904	2.4	33

58	Evolutionary dynamics and fixation probabilities in directed networks. *New Journal of Physics*, **2009**, 11, 033012	2.9	56
57	Impact of hierarchical modular structure on ranking of individual nodes in directed networks. *New Journal of Physics*, **2009**, 11, 113002	2.9	19
56	Immunization of networks with community structure. *New Journal of Physics*, **2009**, 11, 123018	2.9	59
55	Selective population rate coding: a possible computational role of gamma oscillations in selective attention. *Neural Computation*, **2009**, 21, 3335-62	2.9	17
54	A theoretical analysis of temporal difference learning in the iterated prisoner's dilemma game. *Bulletin of Mathematical Biology*, **2009**, 71, 1818-50	2.1	11
53	Directionality of contact networks suppresses selection pressure in evolutionary dynamics. *Journal of Theoretical Biology*, **2009**, 258, 323-34	2.3	25
52	Impact of vascular remodeling on the coronary plaque compositions: an investigation with in vivo tissue characterization using integrated backscatter-intravascular ultrasound. *Atherosclerosis*, **2009**, 202, 476-82	3.1	25
51	Limit Theorems for the Average Distance and the Degree Distribution of the Threshold Network Model. *Interdisciplinary Information Sciences*, **2009**, 15, 361-366	0.2	4
50	Virtual 3 Fr PCI system for complex percutaneous coronary intervention. *EuroIntervention*, **2009**, 5, 515-7.	3.1	11
49	A Priority Queue Model of Human Dynamics with Bursty Input Tasks. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2009**, 2402-2410	0.2	1
48	Tiagabine is neuroprotective in the N171-82Q and R6/2 mouse models of Huntington's disease. *Neurobiology of Disease*, **2008**, 30, 293-302	7.5	43
47	Sertraline slows disease progression and increases neurogenesis in N171-82Q mouse model of Huntington's disease. *Neurobiology of Disease*, **2008**, 30, 312-322	7.5	114
46	On global and local critical points of extended contact process on homogeneous trees. *Mathematical Biosciences*, **2008**, 213, 13-7	3.9	4
45	The antidepressant sertraline improves the phenotype, promotes neurogenesis and increases BDNF levels in the R6/2 Huntington's disease mouse model. *Experimental Neurology*, **2008**, 210, 154-63	5.7	130
44	Oscillatory dynamics in evolutionary games are suppressed by heterogeneous adaptation rates of players. *Journal of Theoretical Biology*, **2008**, 251, 181-9	2.3	8
43	Controlling nosocomial infection based on structure of hospital social networks. *Journal of Theoretical Biology*, **2008**, 254, 655-66	2.3	45
42	A computational study of synaptic mechanisms of partial memory transfer in cerebellar vestibulo-ocular-reflex learning. *Journal of Computational Neuroscience*, **2008**, 24, 137-56	1.4	26
41	Synchronization of Coupled Oscillators on Complex Networks. *Journal of the Robotics Society of Japan*, **2008**, 26, 6-9	0.1	0

40	Participation costs dismiss the advantage of heterogeneous networks in evolution of cooperation. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 1815-21	4.4	155
39	Development and validation of a method for quantitative determination of valsartan in human plasma by liquid chromatography-tandem mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 43, 1769-74	3.5	47
38	Formation of feedforward networks and frequency synchrony by spike-timing-dependent plasticity. *Journal of Computational Neuroscience*, **2007**, 22, 327-45	1.4	68
37	Gamma oscillations of spiking neural populations enhance signal discrimination. *PLoS Computational Biology*, **2007**, 3, e236	5	26
36	Filtering of spatial bias and noise inputs by spatially structured neural networks. *Neural Computation*, **2007**, 19, 1854-70	2.9	8
35	Tag-based indirect reciprocity by incomplete social information. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 689-95	4.4	45
34	Dual coding hypotheses for neural information representation. *Mathematical Biosciences*, **2007**, 207, 312-21	3.9	9
33	Multi-state epidemic processes on complex networks. *Journal of Theoretical Biology*, **2006**, 243, 64-75	2.3	65
32	Networks with dispersed degrees save stable coexistence of species in cyclic competition. *Physical Review E*, **2006**, 74, 066102	2.4	20
31	Epidemic dynamics of two species of interacting particles on scale-free networks. *Physical Review E*, **2006**, 74, 066113	2.4	34
30	PHASE DIAGRAMS AND CORRELATION INEQUALITIES OF A THREE-STATE STOCHASTIC EPIDEMIC MODEL ON THE SQUARE LATTICE. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2006**, 16, 3687-3693	2	3
29	Simultaneous rate-synchrony codes in populations of spiking neurons. *Neural Computation*, **2006**, 18, 45-59	2.9	10
28	Simultaneous quantitative determination of cyclosporine A and its three main metabolites (AM1, AM4N and AM9) in human blood by liquid chromatography/mass spectrometry using a rapid sample processing method. *Rapid Communications in Mass Spectrometry*, **2006**, 20, 733-40	2.2	18
27	Dynamic switching of neural codes in networks with gap junctions. *Neural Networks*, **2006**, 19, 1463-6	9.1	2
26	VIP-club phenomenon: Emergence of elites and masterminds in social networks. *Social Networks*, **2006**, 28, 297-309	3.9	25
25	Development and validation for high selective quantitative determination of metformin in human plasma by cation exchanging with normal-phase LC/MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2005**, 36, 1063-72	3.5	77
24	Coding of temporally varying signals in networks of spiking neurons with global delayed feedback. *Neural Computation*, **2005**, 17, 2139-75	2.9	14
23	Rigorous results on the threshold network model. *Journal of Physics A*, **2005**, 38, 6277-6291		10

22	Geographical threshold graphs with small-world and scale-free properties. *Physical Review E*, **2005**, 71, 036108	2.4	56
21	Gamma Oscillations of Spiking Neural Populations Enhance Signal Discrimination. *PLoS Computational Biology*, **2005**, preprint, e236	5	
20	Return times of random walk on generalized random graphs. *Physical Review E*, **2004**, 69, 066113	2.4	29
19	Analysis of scale-free networks based on a threshold graph with intrinsic vertex weights. *Physical Review E*, **2004**, 70, 036124	2.4	35
18	Self-organizing dual coding based on spike-time-dependent plasticity. *Neural Computation*, **2004**, 16, 627-63	2.9	14
17	Dual coding and effects of global feedback in multilayered neural networks. *Neurocomputing*, **2004**, 58-60, 33-39	5.4	4
16	Global and local synchrony of coupled neurons in small-world networks. *Biological Cybernetics*, **2004**, 90, 302-9	2.8	107
15	Transmission of severe acute respiratory syndrome in dynamical small-world networks. *Physical Review E*, **2004**, 69, 031917	2.4	32
14	Ergodicity of spike trains: when does trial averaging make sense?. *Neural Computation*, **2003**, 15, 1341-72	2.9	18
13	Spatial prisoner's dilemma optimally played in small-world networks. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 313, 55-61	2.3	133
12	Filtered interspike interval encoding by class II neurons. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 311, 485-490	2.3	12
11	Duality of rate coding and temporal coding in multilayered feedforward networks. *Neural Computation*, **2003**, 15, 103-25	2.9	42
10	Bridging rate coding and temporal spike coding by effect of noise. *Physical Review Letters*, **2002**, 88, 248101	44	48
9	Spatiotemporal spike encoding of a continuous external signal. *Neural Computation*, **2002**, 14, 1599-628	2.9	16
8	DYNAMICAL CHARACTERISTICS OF DISCRETIZED CHAOTIC PERMUTATIONS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2002**, 12, 2087-2103	2	14
7	Time series analysis with wavelet coefficients. *Japan Journal of Industrial and Applied Mathematics*, **2001**, 18, 131-160	0.6	2
6	Determination of fluvastatin and its five metabolites in human plasma using simple gradient reversed-phase high-performance liquid chromatography with ultraviolet detection. *Biomedical Applications*, **2001**, 760, 17-25		17
5	Prediction of chaotic time series with wavelet coefficients. *Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)*, **2001**, 84, 50-59		2

4	Distribution of mutual information. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2001**, 281, 368-373	2.3	18
3	Synchronization of pulse-coupled excitable neurons. *Physical Review E*, **2001**, 64, 051906	2.4	13
2	Cellular uptake of fluvastatin, an inhibitor of HMG-CoA reductase, by rat cultured hepatocytes and human aortic endothelial cells. *British Journal of Clinical Pharmacology*, **1999**, 47, 383-9	3.8	12
1	Mitigation strategies against cascading failures within a project activity network. *Journal of Computational Social Science*,1	3	