Samuel Johnson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6534060/publications.pdf

Version: 2024-02-01

31	675	623734	580821
papers	citations	14	25
		h-index	g-index

32	32	32	818
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Trophic coherence determines food-web stability. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17923-17928.	7.1	129
2	Entropic Origin of Disassortativity in Complex Networks. Physical Review Letters, 2010, 104, 108702.	7.8	106
3	Factors Determining Nestedness in Complex Networks. PLoS ONE, 2013, 8, e74025.	2.5	78
4	Resilience or robustness: identifying topological vulnerabilities in rail networks. Royal Society Open Science, 2019, 6, 181301.	2.4	40
5	Errors in reported degrees and respondent driven sampling: Implications for bias. Drug and Alcohol Dependence, 2014, 142, 120-126.	3.2	33
6	Looplessness in networks is linked to trophic coherence. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5618-5623.	7.1	30
7	How directed is a directed network?. Royal Society Open Science, 2020, 7, 201138.	2.4	30
8	Enhancing neural-network performance via assortativity. Physical Review E, 2011, 83, 036114.	2.1	27
9	Robust Short-Term Memory without Synaptic Learning. PLoS ONE, 2013, 8, e50276.	2.5	25
10	The origin of motif families in food webs. Scientific Reports, 2017, 7, 16197.	3.3	22
11	From neurons to epidemics: How trophic coherence affects spreading processes. Chaos, 2016, 26, 065310.	2.5	21
12	Concurrence of form and function in developing networks and its role in synaptic pruning. Nature Communications, 2018, 9, 2236.	12.8	20
13	Functional optimization in complex excitable networks. Europhysics Letters, 2008, 83, 46006.	2.0	16
14	Evolving networks and the development of neural systems. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P03003.	2.3	15
15	Digraphs are different: why directionality matters in complex systems. Journal of Physics Complexity, 2020, 1, 015003.	2.2	15
16	Nonlinear preferential rewiring in fixed-size networks as a diffusion process. Physical Review E, 2009, 79, 050104.	2.1	13
17	The Time Machine framework: monitoring and prediction of biodiversity loss. Trends in Ecology and Evolution, 2022, 37, 138-146.	8.7	13
18	Organisational Social Influence on Directed Hierarchical Graphs, from Tyranny to Anarchy. Scientific Reports, 2020, 10, 4388.	3.3	9

#	Article	IF	Citations
19	Escaping the tragedy of the commons through targeted punishment. Royal Society Open Science, 2015, 2, 150223.	2.4	7
20	Intervality and coherence in complex networks. Chaos, 2016, 26, 065308.	2.5	7
21	Assessing risk in the retail environment during the COVID-19 pandemic. Royal Society Open Science, 2021, 8, 210344.	2.4	7
22	Growth strategy determines the memory and structural properties of brain networks. Neural Networks, 2021, 142, 44-56.	5.9	7
23	Network hierarchy and pattern recovery in directed sparse Hopfield networks. Physical Review E, 2022, 105, .	2.1	2
24	EXCITABLE NETWORKS: NONEQUILIBRIUM CRITICALITY AND OPTIMUM TOPOLOGY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 869-875.	1.7	1
25	Relaxation dynamics of maximally clustered networks. Physical Review E, 2018, 97, 012302.	2.1	1
26	Gang confrontation: The case of Medellin (Colombia). PLoS ONE, 2019, 14, e0225689.	2.5	1
27	The effect of topology on neural networks with unstable memories. AIP Conference Proceedings, 2007, , .	0.4	0
28	Why are so many networks disassortative?. , 2011, , .		0
29	Switching Dynamics of Neural Systems in the Presence of Multiplicative Colored Noise. Lecture Notes in Computer Science, 2009, , 17-23.	1.3	0
30	Development of Neural Network Structure with Biological Mechanisms. Lecture Notes in Computer Science, 2009, , 228-235.	1.3	0
31	Nonequilibrium Behavior in Neural Networks: Criticality and Optimal Performance. , 2011, , 597-603.		0