

# Samuel Johnson

## List of Publications by Year in descending order

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

Version: 2024-02-01

31  
papers

675  
citations

623734

14  
h-index

580821

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

818  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Time Machine framework: monitoring and prediction of biodiversity loss. Trends in Ecology and Evolution, 2022, 37, 138-146.	8.7	13
2	Network hierarchy and pattern recovery in directed sparse Hopfield networks. Physical Review E, 2022, 105, .	2.1	2
3	Assessing risk in the retail environment during the COVID-19 pandemic. Royal Society Open Science, 2021, 8, 210344.	2.4	7
4	Growth strategy determines the memory and structural properties of brain networks. Neural Networks, 2021, 142, 44-56.	5.9	7
5	How directed is a directed network?. Royal Society Open Science, 2020, 7, 201138.	2.4	30
6	Organisational Social Influence on Directed Hierarchical Graphs, from Tyranny to Anarchy. Scientific Reports, 2020, 10, 4388.	3.3	9
7	Digraphs are different: why directionality matters in complex systems. Journal of Physics Complexity, 2020, 1, 015003.	2.2	15
8	Resilience or robustness: identifying topological vulnerabilities in rail networks. Royal Society Open Science, 2019, 6, 181301.	2.4	40
9	Gang confrontation: The case of Medellin (Colombia). PLoS ONE, 2019, 14, e0225689.	2.5	1
10	Relaxation dynamics of maximally clustered networks. Physical Review E, 2018, 97, 012302.	2.1	1
11	Concurrence of form and function in developing networks and its role in synaptic pruning. Nature Communications, 2018, 9, 2236.	12.8	20
12	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
13	The origin of motif families in food webs. Scientific Reports, 2017, 7, 16197.	3.3	22
14	From neurons to epidemics: How trophic coherence affects spreading processes. Chaos, 2016, 26, 065310.	2.5	21
15	Intervality and coherence in complex networks. Chaos, 2016, 26, 065308.	2.5	7
16	Escaping the tragedy of the commons through targeted punishment. Royal Society Open Science, 2015, 2, 150223.	2.4	7
17	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
18	Errors in reported degrees and respondent driven sampling: Implications for bias. Drug and Alcohol Dependence, 2014, 142, 120-126.	3.2	33

#	ARTICLE	IF	CITATIONS
19	Robust Short-Term Memory without Synaptic Learning. PLoS ONE, 2013, 8, e50276.	2.5	25
20	Factors Determining Nestedness in Complex Networks. PLoS ONE, 2013, 8, e74025.	2.5	78
21	Why are so many networks disassortative?. , 2011, , .		0
22	Enhancing neural-network performance via assortativity. Physical Review E, 2011, 83, 036114.	2.1	27
23	Nonequilibrium Behavior in Neural Networks: Criticality and Optimal Performance. , 2011, , 597-603.		0
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	Evolving networks and the development of neural systems. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P03003.	2.3	15
26	Entropic Origin of Disassortativity in Complex Networks. Physical Review Letters, 2010, 104, 108702.	7.8	106
27	Nonlinear preferential rewiring in fixed-size networks as a diffusion process. Physical Review E, 2009, 79, 050104.	2.1	13
28	Switching Dynamics of Neural Systems in the Presence of Multiplicative Colored Noise. Lecture Notes in Computer Science, 2009, , 17-23.	1.3	0
29	Development of Neural Network Structure with Biological Mechanisms. Lecture Notes in Computer Science, 2009, , 228-235.	1.3	0
30	Functional optimization in complex excitable networks. Europhysics Letters, 2008, 83, 46006.	2.0	16
31	The effect of topology on neural networks with unstable memories. AIP Conference Proceedings, 2007, , .	0.4	0