

# Lazaros K Gallos

## List of Publications by Year in descending order

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45  
papers

4,475  
citations

393982

19  
h-index

264894

42  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial correlations in geographical spreading of COVID-19 in the United States. Scientific Reports, 2022, 12, 699.	1.6	18
2	Commercial Transport During a Pandemic: Network Analysis to Reconcile COVID-19 Diffusion and Vital Supply Chain Resilience. Journal of Occupational and Environmental Medicine, 2020, 62, e537-e538.	0.9	7
3	A generic arboviral model framework for exploring trade-offs between vector control and environmental concerns. Journal of Theoretical Biology, 2020, 490, 110161.	0.8	9
4	Proximity drives the emergence of network structure and density. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20360-20365.	3.3	6
5	Anomaly detection through information sharing under different topologies. Eurasip Journal on Information Security, 2017, 2017, .	2.2	4
6	Simple and efficient self-healing strategy for damaged complex networks. Physical Review E, 2015, 92, 052806.	0.8	29
7	The Effect of Disease-Induced Mortality on Structural Network Properties. PLoS ONE, 2015, 10, e0136704.	1.1	12
8	Revealing effective classifiers through network comparison. Europhysics Letters, 2014, 108, 38001.	0.7	8
9	IMDB Network Revisited: Unveiling Fractal and Modular Properties from a Typical Small-World Network. PLoS ONE, 2013, 8, e66443.	1.1	22
10	The Conundrum of Functional Brain Networks: Small-World Efficiency or Fractal Modularity. Frontiers in Physiology, 2012, 3, 123.	1.3	83
11	A small world of weak ties provides optimal global integration of self-similar modules in functional brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2825-2830.	3.3	331
12	Collective behavior in the spatial spreading of obesity. Scientific Reports, 2012, 2, 454.	1.6	50
13	How People Interact in Evolving Online Affiliation Networks. Physical Review X, 2012, 2, .	2.8	33
14	Fractal and Transfractal Scale-Free Networks. , 2012, , 637-656.		4
15	Explosive percolation in the human protein homology network. European Physical Journal B, 2010, 75, 305-310.	0.6	59
16	Modularity map of the network of human cell differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5750-5755.	3.3	40
17	Identification of influential spreaders in complex networks. Nature Physics, 2010, 6, 888-893.	6.5	2,386
18	Fractal and Transfractal Scale-Free Networks. , 2009, , 3924-3943.		16

#	ARTICLE	IF	CITATIONS
19	Scaling of Degree Correlations and Its Influence on Diffusion in Scale-Free Networks. Physical Review Letters, 2008, 100, 248701.	2.9	70
20	Influence of a complex network substrate on reaction-diffusion processes. Journal of Physics Condensed Matter, 2007, 19, 065123.	0.7	10
21	Improving immunization strategies. Physical Review E, 2007, 75, 045104.	0.8	113
22	Scaling theory of transport in complex biological networks. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7746-7751.	3.3	170
23	Scale-free networks resistant to intentional attacks. Europhysics Letters, 2007, 80, 58002.	0.7	9
24	How to calculate the fractal dimension of a complex network: the box covering algorithm. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P03006-P03006.	0.9	252
25	A review of fractality and self-similarity in complex networks. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 686-691.	1.2	138
26	Characteristics of reaction-diffusion on scale-free networks. Physical Review E, 2006, 74, 056107.	0.8	8
27	Prisoner's dilemma on scale-free networks. AIP Conference Proceedings, 2005, , .	0.3	1
28	Stability and Topology of Scale-Free Networks under Attack and Defense Strategies. Physical Review Letters, 2005, 94, 188701.	2.9	248
29	Reaction-diffusion processes on correlated and uncorrelated scale-free networks. Physical Review E, 2005, 72, 017101.	0.8	39
30	SELF-ORGANIZING SOCIAL HIERARCHIES ON SCALE-FREE NETWORKS. International Journal of Modern Physics C, 2005, 16, 1329-1336.	0.8	17
31	Absence of Kinetic Effects in Reaction-Diffusion Processes in Scale-Free Networks. Physical Review Letters, 2004, 92, 138301.	2.9	74
32	Random walk and trapping processes on scale-free networks. Physical Review E, 2004, 70, 046116.	0.8	56
33	Tolerance of scale-free networks: from friendly to intentional attack strategies. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 504-509.	1.2	30
34	Computational study of energy transfer in two-dimensional J-aggregates. Journal of Luminescence, 2004, 110, 246-252.	1.5	7
35	MONTE CARLO SIMULATION OF THE MOBILITY IN QUASI-ONE-DIMENSIONAL SYSTEMS DISCOTIC LIQUID CRYSTALS. Molecular Crystals and Liquid Crystals, 2004, 413, 125-134.	0.4	0
36	Distribution of infected mass in disease spreading in scale-free networks. Physica A: Statistical Mechanics and Its Applications, 2003, 330, 117-123.	1.2	19

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37	Computer Simulation of Discrete Crack Propagation. Journal of the Mechanical Behavior of Materials, 2003, 14, 9-22.	0.7	2
38	Reaction-diffusion processes in scale-free networks. , 2003, , .		0
39	Photophysical behavior of a homologous series of amphiphilic hemicyanine dyes in thin AOT films. Chemical Physics, 2002, 275, 253-260.	0.9	8
40	Degeneracy, orientational disorder and chromophore size effects on Frenkel excitons in columnar mesophases. Chemical Physics, 2001, 269, 147-158.	0.9	16
41	Trapping and survival probability in two dimensions. Physical Review E, 2001, 63, 021104.	0.8	16
42	Accurate estimation of the survival probability for trapping in two dimensions. Physical Review E, 2001, 64, 051111.	0.8	7
43	Electronic coupling responsible for energy transfer in columnar liquid crystals. Chemical Physics Letters, 1999, 306, 163-167.	1.2	22
44	Distribution of the number of distinct sites visited by random walks in disordered lattices. Physical Review E, 1995, 52, 1520-1527.	0.8	3
45	Conduction anisotropy in layered semiconductors. Physical Review B, 1994, 50, 14643-14646.	1.1	17