Kwang-Il Goh

List of Publications by Year
in descending order

42 papers	9,385 citations	147801 31 h-index	265206 42 g-index
43 all docs	43 docs citations	43 times ranked	9428 citing authors

#	Article	IF	Citations
1	The human disease network. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8685-8690.	7.1	2,924
2	Drugâ€”target network. Nature Biotechnology, 2007, 25, 1119-1126.	17.5	1,584
3	Universal Behavior of Load Distribution in Scale-Free Networks. Physical Review Letters, 2001, 87, 278701.	7.8	989
4	Modeling bursts and heavy tails in human dynamics. Physical Review E, 2006, 73, 036127.	2.1	502
5	Burstiness and memory in complex systems. Europhysics Letters, 2008, 81, 48002.	2.0	374
6	Classification of scale-free networks. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12583-12588.	7.1	320
7	Sandpile on Scale-Free Networks. Physical Review Letters, 2003, 91, 148701.	7.8	231
8	Betweenness centrality correlation in social networks. Physical Review E, 2003, 67, 017101.	2.1	219
9	Network robustness of multiplex networks with interlayer degree correlations. Physical Review E, 2014, 89, 042811.	2.1	202
10	Skeleton and Fractal Scaling in Complex Networks. Physical Review Letters, 2006, 96, 018701.	7.8	198
11	Multiplexity-facilitated cascades in networks. Physical Review E, 2012, 85, 045102.	2.1	164
12	Correlated multiplexity and connectivity of multiplex random networks. New Journal of Physics, 2012, 14, 033027.	2.9	160
13	Towards real-world complexity: an introduction to multiplex networks. European Physical Journal B, 2015, 88, 1.	1.5	148
14	Fluctuation-Driven Dynamics of the Internet Topology. Physical Review Letters, 2002, 88, 108701.	7.8	134
15	Exploring the human diseasome: the human disease network. Briefings in Functional Genomics, 2012, 11, 533-542.	2.7	118
16	Coevolution and Correlated Multiplexity in Multiplex Networks. Physical Review Letters, 2013, 111, 058702.	7.8	112
17	Fractality in complex networks: Critical and supercritical skeletons. Physical Review E, 2007, 75, 016110.	2.1	110
18	Spreading dynamics following bursty human activity patterns. Physical Review E, 2011, 83, 036102.	2.1	95

#	ARTICLE	IF	CITATIONS
19	Threshold cascades with response heterogeneity in multiplex networks. Physical Review E, 2014, 90, 062816.	2.1	91
20	A box-covering algorithm for fractal scaling in scale-free networks. Chaos, 2007, 17, 026116.	2.5	78
21	Impact of the Topology of Global Macroeconomic Network on the Spreading of Economic Crises. PLoS ONE, 2011, 6, e18443.	2.5	74
22	Lethality and synthetic lethality in the genome-wide metabolic network of Escherichia coli. Journal of Theoretical Biology, 2005, 237, 401-411.	1.7	51
23	Complete trails of coauthorship network evolution. Physical Review E, 2010, 82, 026112.	2.1	46
24	Link overlap, viability, and mutual percolation in multiplex networks. Chaos, Solitons and Fractals, 2015, 72, 49-58.	5.1	45
25	Nonlocal evolution of weighted scale-free networks. Physical Review E, 2005, 72, 017103.	2.1	44
26	Structure and evolution of online social relationships: Heterogeneity in unrestricted discussions. Physical Review E, 2006, 73, 066123.	2.1	42
27	Recent Advances of Percolation Theory in Complex Networks. Journal of the Korean Physical Society, 2018, 73, 152-164.	0.7	40
28	Intrinsic degree-correlations in the static model of scale-free networks. European Physical Journal B, 2006, 49, 231-238.	1.5	37
29	Multiple resource demands and viability in multiplex networks. Physical Review E, 2014, 89, 040802.	2.1	37
30	Load distribution in weighted complex networks. Physical Review E, 2005, 72, 017102.	2.1	34
31	Layer-switching cost and optimality in information spreading on multiplex networks. Scientific Reports, 2016, 6, 21392.	3.3	34
32	Waiting time dynamics of priority-queue networks. Physical Review E, 2009, 79, 056110.	2.1	28
33	Multiplex Networks. Understanding Complex Systems, 2014, , 53-72.	0.6	27
34	Strength of weak layers in cascading failures on multiplex networks: case of the international trade network. Scientific Reports, 2016, 6, 26346.	3.3	25
35	Packet transport along the shortest pathways in scale-free networks. European Physical Journal B, 2004, 38, 193-199.	1.5	24
36	Generalized priority-queue network dynamics: Impact of team and hierarchy. Physical Review E, 2010, 81, 066109.	2.1	12

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37	Majority-vote dynamics on multiplex networks with two layers. New Journal of Physics, 2019, 21, 035005.	2.9	11
38	Burstiness: Measures, Models, and Dynamic Consequences. Understanding Complex Systems, 2013, , 41-64.	0.6	6
39	Branching process approach for Boolean bipartite networks of metabolic reactions. Physical Review E, 2012, 86, 027101.	2.1	5
40	INTERNET DATA PACKET TRANSPORT: FROM GLOBAL TOPOLOGY TO LOCAL QUEUEING DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2485-2490.	1.7	4
41	Critical behaviors of high-degree adaptive and collective-influence percolation. Chaos, 2020, 30, 073131.	2.5	3
42	K-selective percolation: A simple model leading to a rich repertoire of phase transitions. Chaos, 2022, 32, 023115.	2.5	2