IllÃ©s J Farkas

List of Publications by Year
in descending order

39 papers	11,936 citations	279798 23 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	8713 citing authors

#	Article	IF	Citations
1	Uncovering the overlapping community structure of complex networks in nature and society. Nature, 2005, 435, 814-818.	27.8	4,445
2	Simulating dynamical features of escape panic. Nature, 2000, 407, 487-490.	27.8	3,857
3	CFinder: locating cliques and overlapping modules in biological networks. Bioinformatics, 2006, 22, 1021-1023.	4.1	845
4	Self-Organizing Pedestrian Movement. Environment and Planning B: Planning and Design, 2001, 28, 361-383.	1.7	561
5	Freezing by Heating in a Driven Mesoscopic System. Physical Review Letters, 2000, 84, 1240-1243.	7.8	425
6	Spectra of â€œreal-worldâ€•graphs: Beyond the semicircle law. Physical Review E, 2001, 64, 026704.	2.1	354
7	Mexican waves in an excitable medium. Nature, 2002, 419, 131-132.	27.8	212
8	Weighted network modules. New Journal of Physics, 2007, 9, 180-180.	2.9	190
9	SignaLink 2 â€“ a signaling pathway resource with multi-layered regulatory networks. BMC Systems Biology, 2013, 7, 7.	3.0	169
10	Directed network modules. New Journal of Physics, 2007, 9, 186-186.	2.9	108
11	The topology of the transcription regulatory network in the yeast, Saccharomyces cerevisiae. Physica A: Statistical Mechanics and Its Applications, 2003, 318, 601-612.	2.6	106
12	Networks in life: scaling properties and eigenvalue spectra. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 25-34.	2.6	79
13	Uniformly curated signaling pathways reveal tissue-specific cross-talks and support drug target discovery. Bioinformatics, 2010, 26, 2042-2050.	4.1	72
14	Network-Based Tools for the Identification of Novel Drug TargetsAdapted from the opening presentation at the International Conference on Systems Biology of Human Disease (SBHD) in Boston, Massachusetts, 16 to 18 June 2010.. Science Signaling, 2011, 4, pt3.	3.6	64
15	Statistical mechanics of topological phase transitions in networks. Physical Review E, 2004, 69, 046117.	2.1	53
16	Application of statistical mechanics to collective motion in biology. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 182-189.	2.6	49
17	Collective Crowd Formation Transform with Mutual Informationâ€“Based Runtime Feedback. Computer Graphics Forum, 2015, 34, 60-73.	3.0	44
18	Fundamental statistical features and self-similar properties of tagged networks. New Journal of Physics, 2008, 10, 123026.	2.9	43

#	Article	IF	Citations
19	Topological phase transitions of random networks. Physica A: Statistical Mechanics and Its Applications, 2004, 334, 583-590.	2.6	36
20	Human microRNAs co-silence in well-separated groups and have different predicted essentialities. Bioinformatics, 2009, 25, 1063-1069.	4.1	35
21	Linking Proteins to Signaling Pathways for Experiment Design and Evaluation. PLoS ONE, 2012, 7, e36202.	2.5	28
22	Equilibrium Statistical Mechanicsof Network Structures. Lecture Notes in Physics, 2004, , 163-187.	0.7	23
23	Topological basis of signal integration in the transcriptional-regulatory network of the yeast, Saccharomyces cerevisiae. BMC Bioinformatics, 2006, 7, 478.	2.6	23
24	Signalogs: Orthology-Based Identification of Novel Signaling Pathway Components in Three Metazoans. PLoS ONE, 2011, 6, e19240.	2.5	22
25	SignaLink3: a multi-layered resource to uncover tissue-specific signaling networks. Nucleic Acids Research, 2022, 50, D701-D709.	14.5	19
26	Human waves in stadiums. Physica A: Statistical Mechanics and Its Applications, 2003, 330, 18-24.	2.6	14
27	k-Clique Percolation and Clustering. Bolyai Society Mathematical Studies, 2008, , 369-408.	0.3	13
28	Quantifying the changing role of past publications. Scientometrics, 2016, 108, 829-853.	3.0	10
29	Crowd Disasters and Simulation of Panic Situations. , 2002, , 330-350.		10
30	Centrality properties of directed module members in social networks. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4959-4966.	2.6	8
31	Patterns in the collective behavior of humans. AIP Conference Proceedings, 2005, , .	0.4	6
32	Keeping speed and distance for aligned motion. Physical Review E, 2015, 91, 012807.	2.1	4
33	Scientometrics: untangling the topics. National Science Review, 2014, 1, 343-345.	9.5	3
34	Spatial flocking: Control by speed, distance, noise and delay. PLoS ONE, 2018, 13, e0191745.	2.5	3
35	Initiating a Mexican wave: An instantaneous collective decision with both short- and long-range interactions. Physica A: Statistical Mechanics and Its Applications, 2006, 369, 830-840.	2.6	2
36	Reverse engineering of linking preferences from network restructuring. Physical Review E, 2004, 70, 046115.	2.1	1

#	Article	IF	Citations
37	Exploring Transcriptional Regulatory Networks in the Worm. Cell, 2006, 125, 1032-1034.	28.9	0
38	Uniform Curation Protocol of Metazoan Signaling Pathways to Predict Novel Signaling Components. Methods in Molecular Biology, 2013, 1021, 285-297.	0.9	0
39	Forecasting turning trends in knowledge networks. Physica A: Statistical Mechanics and Its Applications, 2018, 507, 110-122.	2.6	0