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	SignaLink3: a multi-layered resource to uncover tissue-specific signaling networks. Nucleic Acids Research, 2022, 50, D701-D709.	14.5	19
2	Forecasting turning trends in knowledge networks. Physica A: Statistical Mechanics and Its Applications, 2018, 507, 110-122.	2.6	0
3	Spatial flocking: Control by speed, distance, noise and delay. PLoS ONE, 2018, 13, e0191745.	2.5	3
4	Quantifying the changing role of past publications. Scientometrics, 2016, 108, 829-853.	3.0	10
5	Keeping speed and distance for aligned motion. Physical Review E, 2015, 91, 012807.	2.1	4
6	Collective Crowd Formation Transform with Mutual Informationâ€“Based Runtime Feedback. Computer Graphics Forum, 2015, 34, 60-73.	3.0	44
7	Scientometrics: untangling the topics. National Science Review, 2014, 1, 343-345.	9.5	3
8	SignaLink 2 â€“ a signaling pathway resource with multi-layered regulatory networks. BMC Systems Biology, 2013, 7, 7.	3.0	169
9	Uniform Curation Protocol of Metazoan Signaling Pathways to Predict Novel Signaling Components. Methods in Molecular Biology, 2013, 1021, 285-297.	0.9	0
10	Linking Proteins to Signaling Pathways for Experiment Design and Evaluation. PLoS ONE, 2012, 7, e36202.	2.5	28
11	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
12	Signalogs: Orthology-Based Identification of Novel Signaling Pathway Components in Three Metazoans. PLoS ONE, 2011, 6, e19240.	2.5	22
13	Uniformly curated signaling pathways reveal tissue-specific cross-talks and support drug target discovery. Bioinformatics, 2010, 26, 2042-2050.	4.1	72
14	Human microRNAs co-silence in well-separated groups and have different predicted essentialities. Bioinformatics, 2009, 25, 1063-1069.	4.1	35
15	Centrality properties of directed module members in social networks. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4959-4966.	2.6	8
16	k-Clique Percolation and Clustering. Bolyai Society Mathematical Studies, 2008, , 369-408.	0.3	13
17	Fundamental statistical features and self-similar properties of tagged networks. New Journal of Physics, 2008, 10, 123026.	2.9	43
18	Weighted network modules. New Journal of Physics, 2007, 9, 180-180.	2.9	190

#	Article	IF	Citations
19	Directed network modules. New Journal of Physics, 2007, 9, 186-186.	2.9	108
20	Exploring Transcriptional Regulatory Networks in the Worm. Cell, 2006, 125, 1032-1034.	28.9	0
21	CFinder: locating cliques and overlapping modules in biological networks. Bioinformatics, 2006, 22, 1021-1023.	4.1	845
22	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
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	Uncovering the overlapping community structure of complex networks in nature and society. Nature, 2005, 435, 814-818.	27.8	4,445
25	Patterns in the collective behavior of humans. AIP Conference Proceedings, 2005, , .	0.4	6
26	Equilibrium Statistical Mechanicsof Network Structures. Lecture Notes in Physics, 2004, , 163-187.	0.7	23
27	Reverse engineering of linking preferences from network restructuring. Physical Review E, 2004, 70, 046115.	2.1	1
28	Topological phase transitions of random networks. Physica A: Statistical Mechanics and Its Applications, 2004, 334, 583-590.	2.6	36
29	Statistical mechanics of topological phase transitions in networks. Physical Review E, 2004, 69, 046117.	2.1	53
30	Human waves in stadiums. Physica A: Statistical Mechanics and Its Applications, 2003, 330, 18-24.	2.6	14
31	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
32	Networks in life: scaling properties and eigenvalue spectra. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 25-34.	2.6	79
33	Mexican waves in an excitable medium. Nature, 2002, 419, 131-132.	27.8	212
34	Crowd Disasters and Simulation of Panic Situations. , 2002, , 330-350.		10
35	Spectra of â€œreal-worldâ€•graphs: Beyond the semicircle law. Physical Review E, 2001, 64, 026704.	2.1	354
36	Self-Organizing Pedestrian Movement. Environment and Planning B: Planning and Design, 2001, 28, 361-383.	1.7	561

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37	Simulating dynamical features of escape panic. Nature, 2000, 407, 487-490.	27.8	3,857
38	Freezing by Heating in a Driven Mesoscopic System. Physical Review Letters, 2000, 84, 1240-1243.	7.8	425
39	Application of statistical mechanics to collective motion in biology. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 182-189.	2.6	49