Jari SaramÃ¤ki

List of Publications by Year
in descending order

48 papers	6,448 citations	218677 26 h-index	206112 48 g-index
49 all docs	49 docs citations	49 times ranked	5190 citing authors

#	Article	IF	Citations
1	Temporal networks. Physics Reports, 2012, 519, 97-125.	25.6	2,023
2	Structure and tie strengths in mobile communication networks. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7332-7336.	7.1	1,412
3	Small but slow world: How network topology and burstiness slow down spreading. Physical Review E, 2011, 83, 025102.	2.1	513
4	Analysis of a large-scale weighted network of one-to-one human communication. New Journal of Physics, 2007, 9, 179-179.	2.9	297
5	Persistence of social signatures in human communication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 942-947.	7.1	289
6	Path lengths, correlations, and centrality in temporal networks. Physical Review E, 2011, 84, 016105.	2.1	229
7	Temporal motifs in time-dependent networks. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P11005.	2.3	188
8	Temporal motifs reveal homophily, gender-specific patterns, and group talk in call sequences. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18070-18075.	7.1	127
9	Reorganization of functionally connected brain subnetworks in highâ€functioning autism. Human Brain Mapping, 2016, 37, 1066-1079.	3.6	110
10	Effects of time window size and placement on the structure of an aggregated communication network. EPJ Data Science, 2012, 1, .	2.8	102
11	Effects of spatial smoothing on functional brain networks. European Journal of Neuroscience, 2017, 46, 2471-2480.	2.6	89
12	Daily Rhythms in Mobile Telephone Communication. PLoS ONE, 2015, 10, e0138098.	2.5	89
13	From seconds to months: an overview of multi-scale dynamics of mobile telephone calls. European Physical Journal B, 2015, 88, 1.	1.5	80
14	Inferring human mobility using communication patterns. Scientific Reports, 2014, 4, 6174.	3.3	69
15	Multiscale analysis of spreading in a large communication network. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P03005.	2.3	65
16	A collection of public transport network data sets for 25 cities. Scientific Data, 2018, 5, 180089.	5.3	60
17	Effect of manual and digital contact tracing on COVID-19 outbreaks: a study on empirical contact data. Journal of the Royal Society Interface, 2021, 18, 20201000.	3.4	56
18	Effects of temporal correlations on cascades: Threshold models on temporal networks. Physical Review E, 2014, 89, 062815.	2.1	55

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19	Two betweenness centrality measures based on Randomized Shortest Paths. Scientific Reports, 2016, 6, 19668.	3.3	52
20	From calls to communities: a model for time-varying social networks. European Physical Journal B, 2015, 88, 1.	1.5	44
21	Consistency of Regions of Interest as nodes of fMRI functional brain networks. Network Neuroscience, 2017, 1, 254-274.	2.6	44
22	T cell receptor diversity in the human thymus. Molecular Immunology, 2016, 76, 116-122.	2.2	39
23	Detection of timescales in evolving complex systems. Scientific Reports, 2016, 6, 39713.	3.3	37
24	Social network differences of chronotypes identified from mobile phone data. EPJ Data Science, 2018, 7, .	2.8	36
25	Digital daily cycles of individuals. Frontiers in Physics, 2015, 3, .	2.1	34
26	Multi-locus interactions and the build-up of reproductive isolation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190543.	4.0	34
27	Mapping temporal-network percolation to weighted, static event graphs. Scientific Reports, 2018, 8, 12357.	3.3	31
28	Exploring temporal networks with greedy walks. European Physical Journal B, 2015, 88, 1.	1.5	27
29	Data Collection for Mental Health Studies Through Digital Platforms: Requirements and Design of a Prototype. JMIR Research Protocols, 2017, 6, e110.	1.0	25
30	Genetic structure of native ant supercolonies varies in space and time. Molecular Ecology, 2016, 25, 6196-6213.	3.9	18
31	Effects of spatial smoothing on group-level differences in functional brain networks. Network Neuroscience, 2020, 4, 556-574.	2.6	18
32	Multichannel social signatures and persistent features of ego networks. Applied Network Science, 2018, 3, 8.	1.5	17
33	Estimating tie strength in social networks using temporal communication data. EPJ Data Science, 2020, 9, .	2.8	17
34	Personality traits and ego-network dynamics. PLoS ONE, 2017, 12, e0173110.	2.5	15
35	Human thymic T cell repertoire is imprinted with strong convergence to shared sequences. Molecular Immunology, 2020, 127, 112-123.	2.2	13
36	Regions of Interest as nodes of dynamic functional brain networks. Network Neuroscience, 2018, 2, 513-535.	2.6	12

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37	Quantifying daily rhythms with non-negative matrix factorization applied to mobile phone data. Scientific Reports, 2022, 12, 5544.	3.3	11
38	A Map of Approaches to Temporal Networks. Computational Social Sciences, 2019, , 1-24.	0.4	10
39	Graph coarseâ€graining reveals differences in the moduleâ€level structure of functional brain networks. European Journal of Neuroscience, 2016, 44, 2673-2684.	2.6	9
40	Circadian rhythms in temporal-network connectivity. Chaos, 2020, 30, 093115.	2.5	8
41	Identifying the inheritable component of human thymic T cell repertoire generation in monozygous twins. European Journal of Immunology, 2020, 50, 748-751.	2.9	7
42	Generation of self-reactive, shared T-cell receptor Î± chains in the human thymus. Journal of Autoimmunity, 2021, 119, 102616.	6.5	5
43	Maximum likelihood estimation for randomized shortest paths with trajectory data. Journal of Complex Networks, 2020, 8, .	1.8	5
44	Mobility Signatures: A Tool for Characterizing Cities Using Intercity Mobility Flows. Frontiers in Big Data, 2022, 5, 822889.	2.9	5
45	Weighted Temporal Event Graphs. Computational Social Sciences, 2019, , 107-128.	0.4	4
46	Adding network structure onto the map of collective behavior. Behavioral and Brain Sciences, 2014, 37, 82-83.	0.7	2
47	Characterization of human T cell receptor repertoire data in eight thymus samples and four related blood samples. Data in Brief, 2021, 35, 106751.	1.0	2
48	Peripheral differentiation patterns of human T cells. European Journal of Immunology, 2022, 52, 882-894.	2.9	2