

Jari Saramäki

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

6,448
citations

218381

26
h-index

205818

48
g-index

49
all docs

49
docs citations

49
times ranked

5190
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal networks. <i>Physics Reports</i> , 2012, 519, 97-125.	10.3	2,023
2	Structure and tie strengths in mobile communication networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7332-7336.	3.3	1,412
3	Small but slow world: How network topology and burstiness slow down spreading. <i>Physical Review E</i> , 2011, 83, 025102.	0.8	513
4	Analysis of a large-scale weighted network of one-to-one human communication. <i>New Journal of Physics</i> , 2007, 9, 179-179.	1.2	297
5	Persistence of social signatures in human communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 942-947.	3.3	289
6	Path lengths, correlations, and centrality in temporal networks. <i>Physical Review E</i> , 2011, 84, 016105.	0.8	229
7	Temporal motifs in time-dependent networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P11005.	0.9	188
8	Temporal motifs reveal homophily, gender-specific patterns, and group talk in call sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18070-18075.	3.3	127
9	Reorganization of functionally connected brain subnetworks in high-functioning autism. <i>Human Brain Mapping</i> , 2016, 37, 1066-1079.	1.9	110
10	Effects of time window size and placement on the structure of an aggregated communication network. <i>EPJ Data Science</i> , 2012, 1, .	1.5	102
11	Effects of spatial smoothing on functional brain networks. <i>European Journal of Neuroscience</i> , 2017, 46, 2471-2480.	1.2	89
12	Daily Rhythms in Mobile Telephone Communication. <i>PLoS ONE</i> , 2015, 10, e0138098.	1.1	89
13	From seconds to months: an overview of multi-scale dynamics of mobile telephone calls. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	80
14	Inferring human mobility using communication patterns. <i>Scientific Reports</i> , 2014, 4, 6174.	1.6	69
15	Multiscale analysis of spreading in a large communication network. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P03005.	0.9	65
16	A collection of public transport network data sets for 25 cities. <i>Scientific Data</i> , 2018, 5, 180089.	2.4	60
17	Effect of manual and digital contact tracing on COVID-19 outbreaks: a study on empirical contact data. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20201000.	1.5	56
18	Effects of temporal correlations on cascades: Threshold models on temporal networks. <i>Physical Review E</i> , 2014, 89, 062815.	0.8	55

#	ARTICLE	IF	CITATIONS
19	Two betweenness centrality measures based on Randomized Shortest Paths. <i>Scientific Reports</i> , 2016, 6, 19668.	1.6	52
20	From calls to communities: a model for time-varying social networks. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	44
21	Consistency of Regions of Interest as nodes of fMRI functional brain networks. <i>Network Neuroscience</i> , 2017, 1, 254-274.	1.4	44
22	T cell receptor diversity in the human thymus. <i>Molecular Immunology</i> , 2016, 76, 116-122.	1.0	39
23	Detection of timescales in evolving complex systems. <i>Scientific Reports</i> , 2016, 6, 39713.	1.6	37
24	Social network differences of chronotypes identified from mobile phone data. <i>EPJ Data Science</i> , 2018, 7, .	1.5	36
25	Digital daily cycles of individuals. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	34
26	Multi-locus interactions and the build-up of reproductive isolation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190543.	1.8	34
27	Mapping temporal-network percolation to weighted, static event graphs. <i>Scientific Reports</i> , 2018, 8, 12357.	1.6	31
28	Exploring temporal networks with greedy walks. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	27
29	Data Collection for Mental Health Studies Through Digital Platforms: Requirements and Design of a Prototype. <i>JMIR Research Protocols</i> , 2017, 6, e110.	0.5	25
30	Genetic structure of native ant supercolonies varies in space and time. <i>Molecular Ecology</i> , 2016, 25, 6196-6213.	2.0	18
31	Effects of spatial smoothing on group-level differences in functional brain networks. <i>Network Neuroscience</i> , 2020, 4, 556-574.	1.4	18
32	Multichannel social signatures and persistent features of ego networks. <i>Applied Network Science</i> , 2018, 3, 8.	0.8	17
33	Estimating tie strength in social networks using temporal communication data. <i>EPJ Data Science</i> , 2020, 9, .	1.5	17
34	Personality traits and ego-network dynamics. <i>PLoS ONE</i> , 2017, 12, e0173110.	1.1	15
35	Human thymic T cell repertoire is imprinted with strong convergence to shared sequences. <i>Molecular Immunology</i> , 2020, 127, 112-123.	1.0	13
36	Regions of Interest as nodes of dynamic functional brain networks. <i>Network Neuroscience</i> , 2018, 2, 513-535.	1.4	12

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37	Quantifying daily rhythms with non-negative matrix factorization applied to mobile phone data. <i>Scientific Reports</i> , 2022, 12, 5544.	1.6	11
38	A Map of Approaches to Temporal Networks. <i>Computational Social Sciences</i> , 2019, , 1-24.	0.4	10
39	Graph coarse-graining reveals differences in the module-level structure of functional brain networks. <i>European Journal of Neuroscience</i> , 2016, 44, 2673-2684.	1.2	9
40	Circadian rhythms in temporal-network connectivity. <i>Chaos</i> , 2020, 30, 093115.	1.0	8
41	Identifying the inheritable component of human thymic T cell repertoire generation in monozygous twins. <i>European Journal of Immunology</i> , 2020, 50, 748-751.	1.6	7
42	Generation of self-reactive, shared T-cell receptor α chains in the human thymus. <i>Journal of Autoimmunity</i> , 2021, 119, 102616.	3.0	5
43	Maximum likelihood estimation for randomized shortest paths with trajectory data. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	5
44	Mobility Signatures: A Tool for Characterizing Cities Using Intercity Mobility Flows. <i>Frontiers in Big Data</i> , 2022, 5, 822889.	1.8	5
45	Weighted Temporal Event Graphs. <i>Computational Social Sciences</i> , 2019, , 107-128.	0.4	4
46	Adding network structure onto the map of collective behavior. <i>Behavioral and Brain Sciences</i> , 2014, 37, 82-83.	0.4	2
47	Characterization of human T cell receptor repertoire data in eight thymus samples and four related blood samples. <i>Data in Brief</i> , 2021, 35, 106751.	0.5	2
48	Peripheral differentiation patterns of human T cells. <i>European Journal of Immunology</i> , 2022, 52, 882-894.	1.6	2