

# Jari Saramki

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

4,864  
citations

22  
h-index

49  
g-index

49  
ext. papers

5,786  
ext. citations

4.7  
avg, IF

5.99  
L-index

#	Paper	IF	Citations
48	Temporal networks. <i>Physics Reports</i> , <b>2012</b> , 519, 97-125	27.7	1543
47	Structure and tie strengths in mobile communication networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 7332-6	11.5	1143
46	Small but slow world: how network topology and burstiness slow down spreading. <i>Physical Review E</i> , <b>2011</b> , 83, 025102	2.4	427
45	Analysis of a large-scale weighted network of one-to-one human communication. <i>New Journal of Physics</i> , <b>2007</b> , 9, 179-179	2.9	249
44	Persistence of social signatures in human communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 942-7	11.5	238
43	Path lengths, correlations, and centrality in temporal networks. <i>Physical Review E</i> , <b>2011</b> , 84, 016105	2.4	169
42	Temporal motifs in time-dependent networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P11005	1.9	132
41	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> , <b>2013</b> , 110, 18070-5	11.5	99
40	Effects of time window size and placement on the structure of an aggregated communication network. <i>EPJ Data Science</i> , <b>2012</b> , 1,	3.4	84
39	Daily Rhythms in Mobile Telephone Communication. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138098	3.7	72
38	Reorganization of functionally connected brain subnetworks in high-functioning autism. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 1066-79	5.9	67
37	From seconds to months: an overview of multi-scale dynamics of mobile telephone calls. <i>European Physical Journal B</i> , <b>2015</b> , 88, 1	1.2	60
36	Effects of spatial smoothing on functional brain networks. <i>European Journal of Neuroscience</i> , <b>2017</b> , 46, 2471-2480	3.5	54
35	Inferring human mobility using communication patterns. <i>Scientific Reports</i> , <b>2014</b> , 4, 6174	4.9	54
34	Multiscale analysis of spreading in a large communication network. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2012</b> , 2012, P03005	1.9	54
33	Effects of temporal correlations on cascades: threshold models on temporal networks. <i>Physical Review E</i> , <b>2014</b> , 89, 062815	2.4	42
32	Consistency of Regions of Interest as nodes of fMRI functional brain networks. <i>Network Neuroscience</i> , <b>2017</b> , 1, 254-274	5.6	34

31	Two betweenness centrality measures based on Randomized Shortest Paths. <i>Scientific Reports</i> , <b>2016</b> , 6, 19668	4.9	34
30	A collection of public transport network data sets for 25 cities. <i>Scientific Data</i> , <b>2018</b> , 5, 180089	8.2	30
29	From calls to communities: a model for time-varying social networks. <i>European Physical Journal B</i> , <b>2015</b> , 88, 1	1.2	28
28	Digital daily cycles of individuals. <i>Frontiers in Physics</i> , <b>2015</b> , 3,	3.9	26
27	Detection of timescales in evolving complex systems. <i>Scientific Reports</i> , <b>2016</b> , 6, 39713	4.9	26
26	Social network differences of chronotypes identified from mobile phone data. <i>EPJ Data Science</i> , <b>2018</b> , 7,	3.4	22
25	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> , <b>2021</b> , 18, 20201000	4.1	20
24	T cell receptor diversity in the human thymus. <i>Molecular Immunology</i> , <b>2016</b> , 76, 116-22	4.3	18
23	Exploring temporal networks with greedy walks. <i>European Physical Journal B</i> , <b>2015</b> , 88, 1	1.2	18
22	Data Collection for Mental Health Studies Through Digital Platforms: Requirements and Design of a Prototype. <i>JMIR Research Protocols</i> , <b>2017</b> , 6, e110	2	15
21	Mapping temporal-network percolation to weighted, static event graphs. <i>Scientific Reports</i> , <b>2018</b> , 8, 12357	4.7	15
20	Personality traits and ego-network dynamics. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173110	3.7	12
19	Regions of Interest as nodes of dynamic functional brain networks. <i>Network Neuroscience</i> , <b>2018</b> , 2, 513-536	5.3	9
18	Graph coarse-graining reveals differences in the module-level structure of functional brain networks. <i>European Journal of Neuroscience</i> , <b>2016</b> , 44, 2673-2684	3.5	8
17	Multichannel social signatures and persistent features of ego networks. <i>Applied Network Science</i> , <b>2018</b> , 3, 8	2.9	8
16	Genetic structure of native ant supercolonies varies in space and time. <i>Molecular Ecology</i> , <b>2016</b> , 25, 6196-6213	5.7	7
15	Human thymic T cell repertoire is imprinted with strong convergence to shared sequences. <i>Molecular Immunology</i> , <b>2020</b> , 127, 112-123	4.3	7
14	Multi-locus interactions and the build-up of reproductive isolation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20190543	5.8	7

13	Effect of manual and digital contact tracing on COVID-19 outbreaks: a study on empirical contact data		6
12	Estimating tie strength in social networks using temporal communication data. <i>EPJ Data Science</i> , <b>2020</b> , 9,	3.4	5
11	A Map of Approaches to Temporal Networks. <i>Computational Social Sciences</i> , <b>2019</b> , 1-24	0.7	4
10	Identifying the inheritable component of human thymic T cell repertoire generation in monozygous twins. <i>European Journal of Immunology</i> , <b>2020</b> , 50, 748-751	6.1	4
9	Weighted Temporal Event Graphs. <i>Computational Social Sciences</i> , <b>2019</b> , 107-128	0.7	3
8	Effects of spatial smoothing on group-level differences in functional brain networks. <i>Network Neuroscience</i> , <b>2020</b> , 4, 556-574	5.6	3
7	Circadian rhythms in temporal-network connectivity. <i>Chaos</i> , <b>2020</b> , 30, 093115	3.3	3
6	Adding network structure onto the map of collective behavior. <i>Behavioral and Brain Sciences</i> , <b>2014</b> , 37, 82-3	0.9	2
5	Maximum likelihood estimation for randomized shortest paths with trajectory data. <i>Journal of Complex Networks</i> , <b>2020</b> , 8,	1.7	1
4	Generation of self-reactive, shared T-cell receptor $\alpha$ chains in the human thymus. <i>Journal of Autoimmunity</i> , <b>2021</b> , 119, 102616	15.5	1
3	Mobility Signatures: A Tool for Characterizing Cities Using Intercity Mobility Flows.. <i>Frontiers in Big Data</i> , <b>2022</b> , 5, 822889	2.8	1
2	Characterization of human T cell receptor repertoire data in eight thymus samples and four related blood samples. <i>Data in Brief</i> , <b>2021</b> , 35, 106751	1.2	0
1	Quantifying daily rhythms with non-negative matrix factorization applied to mobile phone data.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5544	4.9	0