

Mrton Karsai

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.

55
papers

1,730
citations

22
h-index

41
g-index

60
ext. papers

2,103
ext. citations


4.1
avg, IF

5.16
L-index

#	Paper	IF	Citations
55	Universal features of correlated bursty behaviour. <i>Scientific Reports</i> , 2012 , 2, 397	4.9	205
54	Time varying networks and the weakness of strong ties. <i>Scientific Reports</i> , 2014 , 4, 4001	4.9	143
53	Temporal motifs in time-dependent networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P11005	1.9	132
52	Circadian pattern and burstiness in mobile phone communication. <i>New Journal of Physics</i> , 2012 , 14, 013055	5.5	131
51	Controlling contagion processes in activity driven networks. <i>Physical Review Letters</i> , 2014 , 112, 118702	7.4	122
50	Collective attention in the age of (mis)information. <i>Computers in Human Behavior</i> , 2015 , 51, 1198-1204	7.7	92
49	Effects of time window size and placement on the structure of an aggregated communication network. <i>EPJ Data Science</i> , 2012 , 1,	3.4	84
48	Complex contagion process in spreading of online innovation. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140694	4.1	68
47	Kinetics of Social Contagion. <i>Physical Review Letters</i> , 2015 , 115, 218702	7.4	62
46	Multiscale analysis of spreading in a large communication network. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012 , 2012, P03005	1.9	54
45	Correlated dynamics in egocentric communication networks. <i>PLoS ONE</i> , 2012 , 7, e40612	3.7	49
44	Bursty Human Dynamics. <i>SpringerBriefs in Complexity</i> , 2018 ,	0.3	48
43	Socioeconomic correlations and stratification in social-communication networks. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	40
42	Nonequilibrium phase transitions and finite-size scaling in weighted scale-free networks. <i>Physical Review E</i> , 2006 , 73, 036116	2.4	39
41	Local cascades induced global contagion: How heterogeneous thresholds, exogenous effects, and unconcerned behaviour govern online adoption spreading. <i>Scientific Reports</i> , 2016 , 6, 27178	4.9	38
40	The role of endogenous and exogenous mechanisms in the formation of R&D networks. <i>Scientific Reports</i> , 2014 , 4, 5679	4.9	33
39	Entropy of dynamical social networks. <i>PLoS ONE</i> , 2011 , 6, e28116	3.7	32

38	From calls to communities: a model for time-varying social networks. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	28
37	Asymptotic theory of time-varying social networks with heterogeneous activity and tie allocation. <i>Scientific Reports</i> , 2016 , 6, 35724	4.9	25
36	Threshold driven contagion on weighted networks. <i>Scientific Reports</i> , 2018 , 8, 3094	4.9	24
35	Detecting global bridges in networks. <i>Journal of Complex Networks</i> , 2016 , 4, 319-329	1.7	24
34	Burstiness and tie activation strategies in time-varying social networks. <i>Scientific Reports</i> , 2017 , 7, 46225	4.9	22
33	Communities and beyond: mesoscopic analysis of a large social network with complementary methods. <i>Physical Review E</i> , 2011 , 83, 056125	2.4	21
32	The Scaling of Human Contacts and Epidemic Processes in Metapopulation Networks. <i>Scientific Reports</i> , 2015 , 5, 15111	4.9	20
31	Spatiotemporal correlations of handset-based service usages. <i>EPJ Data Science</i> , 2012 , 1,	3.4	19
30	Temporal properties of higher-order interactions in social networks. <i>Scientific Reports</i> , 2021 , 11, 7028	4.9	18
29	User-based representation of time-resolved multimodal public transportation networks. <i>Royal Society Open Science</i> , 2016 , 3, 160156	3.3	16
28	Mapping temporal-network percolation to weighted, static event graphs. <i>Scientific Reports</i> , 2018 , 8, 12357	4.9	15
27	weg2vec: Event embedding for temporal networks. <i>Scientific Reports</i> , 2020 , 10, 7164	4.9	14
26	Correlations of consumption patterns in social-economic networks 2016 ,		13
25	Socioeconomic Dependencies of Linguistic Patterns in Twitter 2018 ,		10
24	Correlations and dynamics of consumption patterns in social-economic networks. <i>Social Network Analysis and Mining</i> , 2018 , 8, 1	2.2	9
23	Joint embedding of structure and features via graph convolutional networks. <i>Applied Network Science</i> , 2020 , 5,	2.9	8
22	Interpretable socioeconomic status inference from aerial imagery through urban patterns. <i>Nature Machine Intelligence</i> , 2020 , 2, 684-692	22.5	8
21	Bursty egocentric network evolution in Skype. <i>Social Network Analysis and Mining</i> , 2013 , 3, 1393-1401	2.2	7

20	Temporal Motifs. <i>Understanding Complex Systems</i> , 2013 , 119-133	0.4	7
19	Optimal Proxy Selection for Socioeconomic Status Inference on Twitter. <i>Complexity</i> , 2019 , 2019, 1-15	1.6	6
18	Efficient limited-time reachability estimation in temporal networks. <i>Physical Review E</i> , 2020 , 101, 052303	3.4	5
17	Models, Entropy and Information of Temporal Social Networks. <i>Understanding Complex Systems</i> , 2013 , 95-117	0.4	5
16	Reentrant phase transitions in threshold driven contagion on multiplex networks. <i>Physical Review E</i> , 2019 , 100, 040301	2.4	4
15	Service Adoption Spreading in Online Social Networks. <i>Computational Social Sciences</i> , 2018 , 151-175	0.7	4
14	Location, Occupation, and Semantics Based Socioeconomic Status Inference on Twitter 2018 ,		4
13	Link transmission centrality in large-scale social networks. <i>EPJ Data Science</i> , 2018 , 7,	3.4	4
12	Weighted Temporal Event Graphs. <i>Computational Social Sciences</i> , 2019 , 107-128	0.7	3
11	Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys.. <i>Scientific Reports</i> , 2022 , 12, 4690	4.9	3
10	Temporal social network reconstruction using wireless proximity sensors: model selection and consequences. <i>EPJ Data Science</i> , 2020 , 9,	3.4	2
9	Universal patterns of long-distance commuting and social assortativity in cities. <i>Scientific Reports</i> , 2021 , 11, 20829	4.9	2
8	Link Prediction in the Twitter Mention Network: Impacts of Local Structure and Similarity of Interest 2016 ,		2
7	Dynamics of cascades on burstiness-controlled temporal networks. <i>Nature Communications</i> , 2021 , 12, 133	17.4	2
6	Measuring the effects of repeated and diversified influence mechanism for information adoption on Twitter. <i>Social Network Analysis and Mining</i> , 2022 , 12, 1	2.2	2
5	Information Adoption via Repeated or Diversified Social Influence on Twitter 2020 ,		1
4	Interactional and Informational Attention on Twitter. <i>Information (Switzerland)</i> , 2019 , 10, 250	2.6	0
3	The Volume and Tone of Twitter Posts About Cannabis Use During Pregnancy: Protocol for a Scoping Review.. <i>JMIR Research Protocols</i> , 2022 , 11, e34421	2	0

- 2 Addressing the socioeconomic divide in computational modeling for infectious diseases. *Nature Communications*, **2022**, 13, 17.4 
- 1 The Effects of Local and Global Link Creation Mechanisms on Contagion Processes Unfolding on Time-Varying Networks. *Computational Social Sciences*, **2019**, 305-324 0.7