Mrton Karsai

List of Publications by Year in Descending Order

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	Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys.. *Scientific Reports*, **2022**, 12, 4690	4.9	3
54	Measuring the effects of repeated and diversified influence mechanism for information adoption on Twitter. *Social Network Analysis and Mining*, **2022**, 12, 1	2.2	2
53	The Volume and Tone of Twitter Posts About Cannabis Use During Pregnancy: Protocol for a Scoping Review.. *JMIR Research Protocols*, **2022**, 11, e34421	2	0
52	Addressing the socioeconomic divide in computational modeling for infectious diseases. *Nature Communications*, **2022**, 13,	17.4	0
51	Universal patterns of long-distance commuting and social assortativity in cities. *Scientific Reports*, **2021**, 11, 20829	4.9	2
50	Temporal properties of higher-order interactions in social networks. *Scientific Reports*, **2021**, 11, 7028	4.9	18
49	Dynamics of cascades on burstiness-controlled temporal networks. *Nature Communications*, **2021**, 12, 133	17.4	2
48	Efficient limited-time reachability estimation in temporal networks. *Physical Review E*, **2020**, 101, 052303	2.4	5
47	Joint embedding of structure and features via graph convolutional networks. *Applied Network Science*, **2020**, 5,	2.9	8
46	Information Adoption via Repeated or Diversified Social Influence on Twitter **2020**,		1
45	Temporal social network reconstruction using wireless proximity sensors: model selection and consequences. *EPJ Data Science*, **2020**, 9,	3.4	2
44	weg2vec: Event embedding for temporal networks. *Scientific Reports*, **2020**, 10, 7164	4.9	14
43	Interpretable socioeconomic status inference from aerial imagery through urban patterns. *Nature Machine Intelligence*, **2020**, 2, 684-692	22.5	8
42	Optimal Proxy Selection for Socioeconomic Status Inference on Twitter. *Complexity*, **2019**, 2019, 1-15	1.6	6
41	Interactional and Informational Attention on Twitter. *Information (Switzerland)*, **2019**, 10, 250	2.6	0
40	Reentrant phase transitions in threshold driven contagion on multiplex networks. *Physical Review E* , **2019**, 100, 040301	2.4	4
39	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	

38	Weighted Temporal Event Graphs. *Computational Social Sciences*, **2019**, 107-128	0.7	3
37	Threshold driven contagion on weighted networks. *Scientific Reports*, **2018**, 8, 3094	4.9	24
36	Correlations and dynamics of consumption patterns in social-economic networks. *Social Network Analysis and Mining*, **2018**, 8, 1	2.2	9
35	Socioeconomic Dependencies of Linguistic Patterns in Twitter **2018**,		10
34	Service Adoption Spreading in Online Social Networks. *Computational Social Sciences*, **2018**, 151-175	0.7	4
33	Bursty Human Dynamics. *SpringerBriefs in Complexity*, **2018**,	0.3	48
32	Location, Occupation, and Semantics Based Socioeconomic Status Inference on Twitter **2018**,		4
31	Link transmission centrality in large-scale social networks. *EPJ Data Science*, **2018**, 7,	3.4	4
30	Mapping temporal-network percolation to weighted, static event graphs. *Scientific Reports*, **2018**, 8, 12357	4.9	15
29	Burstiness and tie activation strategies in time-varying social networks. *Scientific Reports*, **2017**, 7, 46225	4.9	22
28	Local cascades induced global contagion: How heterogeneous thresholds, exogenous effects, and unconcerned behaviour govern online adoption spreading. *Scientific Reports*, **2016**, 6, 27178	4.9	38
27	Asymptotic theory of time-varying social networks with heterogeneous activity and tie allocation. *Scientific Reports*, **2016**, 6, 35724	4.9	25
26	User-based representation of time-resolved multimodal public transportation networks. *Royal Society Open Science*, **2016**, 3, 160156	3.3	16
25	Detecting global bridges in networks. *Journal of Complex Networks*, **2016**, 4, 319-329	1.7	24
24	Link Prediction in the Twitter Mention Network: Impacts of Local Structure and Similarity of Interest **2016**,		2
23	Correlations of consumption patterns in social-economic networks **2016**,		13
22	Socioeconomic correlations and stratification in social-communication networks. *Journal of the Royal Society Interface*, **2016**, 13,	4.1	40
21	Collective attention in the age of (mis)information. *Computers in Human Behavior*, **2015**, 51, 1198-1204	7.7	92

20	Kinetics of Social Contagion. *Physical Review Letters*, **2015**, 115, 218702	7.4	62
19	The Scaling of Human Contacts and Epidemic Processes in Metapopulation Networks. *Scientific Reports*, **2015**, 5, 15111	4.9	20
18	From calls to communities: a model for time-varying social networks. *European Physical Journal B*, **2015**, 88, 1	1.2	28
17	Time varying networks and the weakness of strong ties. *Scientific Reports*, **2014**, 4, 4001	4.9	143
16	Controlling contagion processes in activity driven networks. *Physical Review Letters*, **2014**, 112, 118702	7.4	122
15	Complex contagion process in spreading of online innovation. *Journal of the Royal Society Interface*, **2014**, 11, 20140694	4.1	68
14	The role of endogenous and exogenous mechanisms in the formation of R&D networks. *Scientific Reports*, **2014**, 4, 5679	4.9	33
13	Bursty egocentric network evolution in Skype. *Social Network Analysis and Mining*, **2013**, 3, 1393-1401	2.2	7
12	Models, Entropy and Information of Temporal Social Networks. *Understanding Complex Systems*, **2013**, 95-117	0.4	5
11	Temporal Motifs. *Understanding Complex Systems*, **2013**, 119-133	0.4	7
10	Spatiotemporal correlations of handset-based service usages. *EPJ Data Science*, **2012**, 1,	3.4	19
9	Effects of time window size and placement on the structure of an aggregated communication network. *EPJ Data Science*, **2012**, 1,	3.4	84
8	Correlated dynamics in egocentric communication networks. *PLoS ONE*, **2012**, 7, e40612	3.7	49
7	Multiscale analysis of spreading in a large communication network. *Journal of Statistical Mechanics: Theory and Experiment*, **2012**, 2012, P03005	1.9	54
6	Universal features of correlated bursty behaviour. *Scientific Reports*, **2012**, 2, 397	4.9	205
5	Circadian pattern and burstiness in mobile phone communication. *New Journal of Physics*, **2012**, 14, 013055	2.5	131
4	Communities and beyond: mesoscopic analysis of a large social network with complementary methods. *Physical Review E*, **2011**, 83, 056125	2.4	21
3	Temporal motifs in time-dependent networks. *Journal of Statistical Mechanics: Theory and Experiment*, **2011**, 2011, P11005	1.9	132

2	Entropy of dynamical social networks. *PLoS ONE*, **2011**, 6, e28116	3.7	32
1	Nonequilibrium phase transitions and finite-size scaling in weighted scale-free networks. *Physical Review E*, **2006**, 73, 036116	2.4	39