

Sune Lehmann

List of Publications by Year in Descending Order

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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.

72
papers

3,654
citations

27
h-index

60
g-index

89
ext. papers

4,533
ext. citations

7.6
avg, IF

5.98
L-index

#	Paper	IF	Citations
72	Characterizing polarization in online vaccine discourse-A large-scale study.. <i>PLoS ONE</i> , 2022 , 17, e02637467	5.7	4
71	Understanding components of mobility during the COVID-19 pandemic. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022 , 380, 20210118	3	1
70	versus lockdown.. <i>National Science Review</i> , 2022 , 9, nwab178	10.8	
69	Using machine learning to identify quality-of-care predictors for emergency caesarean sections: a retrospective cohort study.. <i>BMJ Open</i> , 2022 , 12, e049046	3	
68	Quantifying daily rhythms with non-negative matrix factorization applied to mobile phone data.. <i>Scientific Reports</i> , 2022 , 12, 5544	4.9	0
67	Rising temperatures erode human sleep globally. <i>One Earth</i> , 2022 , 5, 534-549	8.1	2
66	Privacy and uniqueness of neighborhoods in social networks. <i>Scientific Reports</i> , 2021 , 11, 20104	4.9	
65	Task-specific information outperforms surveillance-style big data in predictive analytics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
64	Digital proximity tracing on empirical contact networks for pandemic control. <i>Nature Communications</i> , 2021 , 12, 1655	17.4	28
63	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	4.1	20
62	Gender differences in nighttime sleep patterns and variability across the adult lifespan: a global-scale wearables study. <i>Sleep</i> , 2021 , 44,	1.1	17
61	The effectiveness of backward contact tracing in networks. <i>Nature Physics</i> , 2021 , 17, 652-658	16.2	37
60	Emergence of network effects and predictability in the judicial system. <i>Scientific Reports</i> , 2021 , 11, 27404.9	4.9	2
59	A view from data science. <i>Big Data and Society</i> , 2021 , 8, 205395172110401	5.3	
58	Dose-response functions and surrogate models for exploring social contagion in the Copenhagen Networks Study. <i>European Physical Journal: Special Topics</i> , 2021 , 230, 1-24	2.3	1
57	MODULARITY, ROBUSTNESS, AND CHANGE PROPAGATION: A MULTIFACETED RELATION. <i>Proceedings of the Design Society DESIGN Conference</i> , 2020 , 1, 2335-2344	0.7	0
56	Inferring transportation mode from smartphone sensors: Evaluating the potential of Wi-Fi and Bluetooth. <i>PLoS ONE</i> , 2020 , 15, e0234003	3.7	2

55	Social ties between team members affect patient satisfaction: a data-driven approach to handling complex network analyses. <i>Advances in Health Sciences Education</i> , 2020 , 25, 581-606	3.7	6
54	The scales of human mobility. <i>Nature</i> , 2020 , 587, 402-407	50.4	44
53	Accelerating dynamics of collective attention. <i>Nature Communications</i> , 2019 , 10, 1759	17.4	67
52	Fundamental Structures in Temporal Communication Networks. <i>Computational Social Sciences</i> , 2019 , 25-48	0.7	3
51	Interaction data from the Copenhagen Networks Study. <i>Scientific Data</i> , 2019 , 6, 315	8.2	37
50	Iterations as the result of social and technical factors: empirical evidence from a large-scale design project. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2019 , 30, 251-270	3.5	15
49	Design process robustness: a bipartite network analysis reveals the central importance of people. <i>Design Science</i> , 2018 , 4,	2.8	10
48	Optimizing targeted vaccination across cyber-physical networks: an empirically based mathematical simulation study. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	7
47	Academic performance and behavioral patterns. <i>EPJ Data Science</i> , 2018 , 7,	3.4	26
46	Constrained information flows in temporal networks reveal intermittent communities. <i>Physical Review E</i> , 2018 , 97, 062312	2.4	26
45	Understanding predictability and exploration in human mobility. <i>EPJ Data Science</i> , 2018 , 7,	3.4	59
44	Evidence for a conserved quantity in human mobility. <i>Nature Human Behaviour</i> , 2018 , 2, 485-491	12.8	60
43	Spreading in Social Systems: Reflections. <i>Computational Social Sciences</i> , 2018 , 351-358	0.7	6
42	Understanding the interplay between social and spatial behaviour. <i>EPJ Data Science</i> , 2018 , 7,	3.4	12
41	Social network differences of chronotypes identified from mobile phone data. <i>EPJ Data Science</i> , 2018 , 7,	3.4	22
40	How Physical Proximity Shapes Complex Social Networks. <i>Scientific Reports</i> , 2018 , 8, 17722	4.9	7
39	The chaperone effect in scientific publishing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12603-12607	11.5	44
38	The role of gender in social network organization. <i>PLoS ONE</i> , 2017 , 12, e0189873	3.7	20

37	Inferring Person-to-person Proximity Using WiFi Signals 2017 , 1, 1-20		36
36	Contact activity and dynamics of the social core. <i>EPJ Data Science</i> , 2017 , 6,	3.4	3
35	SensibleSleep: A Bayesian Model for Learning Sleep Patterns from Smartphone Events. <i>PLoS ONE</i> , 2017 , 12, e0169901	3.7	27
34	Multi-scale spatio-temporal analysis of human mobility. <i>PLoS ONE</i> , 2017 , 12, e0171686	3.7	39
33	Evidence of complex contagion of information in social media: An experiment using Twitter bots. <i>PLoS ONE</i> , 2017 , 12, e0184148	3.7	166
32	Class attendance, peer similarity, and academic performance in a large field study. <i>PLoS ONE</i> , 2017 , 12, e0187078	3.7	42
31	Correlations between human mobility and social interaction reveal general activity patterns. <i>PLoS ONE</i> , 2017 , 12, e0188973	3.7	5
30	Fundamental structures of dynamic social networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9977-82	11.5	135
29	Inferring Stop-Locations from WiFi. <i>PLoS ONE</i> , 2016 , 11, e0149105	3.7	7
28	Measure of Node Similarity in Multilayer Networks. <i>PLoS ONE</i> , 2016 , 11, e0157436	3.7	16
27	Robustness and modular structure in networks. <i>Network Science</i> , 2015 , 3, 509-525	2.9	15
26	Opportunities and Challenges in Crowdsourced Wardriving 2015 ,		12
25	Temporal fidelity in dynamic social networks. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	10
24	Tracking Human Mobility Using WiFi Signals. <i>PLoS ONE</i> , 2015 , 10, e0130824	3.7	65
23	Digital daily cycles of individuals. <i>Frontiers in Physics</i> , 2015 , 3,	3.9	26
22	The strength of the strongest ties in collaborative problem solving. <i>Scientific Reports</i> , 2014 , 4, 5277	4.9	64
21	The strength of friendship ties in proximity sensor data. <i>PLoS ONE</i> , 2014 , 9, e100915	3.7	45
20	Inferring human mobility from sparse low accuracy mobile sensing data 2014 ,		8

19	Measuring large-scale social networks with high resolution. <i>PLoS ONE</i> , 2014 , 9, e95978	3.7	218
18	A mobile personal informatics system with interactive visualizations of mobility and social interactions 2013 ,		8
17	Participatory bluetooth sensing: A method for acquiring spatio-temporal data about participant mobility and interactions at large scale events 2013 ,		29
16	Link communities reveal multiscale complexity in networks. <i>Nature</i> , 2010 , 466, 761-4	50.4	1229
15	Comment: Citation Statistics. <i>Statistical Science</i> , 2009 , 24,	2.4	1
14	Bipartite networks of Wikipedia's articles and authors 2009 ,		14
13	Structures in Complex Bipartite Networks 2009 , 176-189		
12	Biclique communities. <i>Physical Review E</i> , 2008 , 78, 016108	2.4	91
11	A quantitative analysis of indicators of scientific performance. <i>Scientometrics</i> , 2008 , 76, 369-390	3	72
10	The art of community detection. <i>BioEssays</i> , 2008 , 30, 934-8	4.1	66
9	Deterministic modularity optimization. <i>European Physical Journal B</i> , 2007 , 60, 83-88	1.2	40
8	Measures for measures. <i>Nature</i> , 2006 , 444, 1003-4	50.4	187
7	Live and Dead Nodes. <i>Computational and Mathematical Organization Theory</i> , 2005 , 11, 161-170	2.1	4
6	Life, death and preferential attachment. <i>Europhysics Letters</i> , 2005 , 69, 298-303	1.6	22
5	Citation networks in high energy physics. <i>Physical Review E</i> , 2003 , 68, 026113	2.4	78
4	Digital Proximity Tracing in the COVID-19 Pandemic on Empirical Contact Networks		5
3	Digital proximity tracing on empirical contact networks for pandemic control		6
2	Effect of manual and digital contact tracing on COVID-19 outbreaks: a study on empirical contact data		6

1 The role of space, time and sociability in predicting social encounters. *Environment and Planning B: Urban Analytics and City Science*, 239980832110168

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