# Sune Lehmann

## List of Publications by Citations



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|---|---|---|---|
| 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 | Link communities reveal multiscale complexity in networks. *Nature*, **2010**, 466, 761-4 | 50.4 | 1229 |
| 71 | Measuring large-scale social networks with high resolution. *PLoS ONE*, **2014**, 9, e95978 | 3.7 | 218 |
| 70 | Measures for measures. *Nature*, **2006**, 444, 1003-4 | 50.4 | 187 |
| 69 | Evidence of complex contagion of information in social media: An experiment using Twitter bots. *PLoS ONE*, **2017**, 12, e0184148 | 3.7 | 166 |
| 68 | Fundamental structures of dynamic social networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9977-82 | 11.5 | 135 |
| 67 | Biclique communities. *Physical Review E*, **2008**, 78, 016108 | 2.4 | 91 |
| 66 | Citation networks in high energy physics. *Physical Review E*, **2003**, 68, 026113 | 2.4 | 78 |
| 65 | A quantitative analysis of indicators of scientific performance. *Scientometrics*, **2008**, 76, 369-390 | 3 | 72 |
| 64 | Accelerating dynamics of collective attention. *Nature Communications*, **2019**, 10, 1759 | 17.4 | 67 |
| 63 | The art of community detection. *BioEssays*, **2008**, 30, 934-8 | 4.1 | 66 |
| 62 | Tracking Human Mobility Using WiFi Signals. *PLoS ONE*, **2015**, 10, e0130824 | 3.7 | 65 |
| 61 | The strength of the strongest ties in collaborative problem solving. *Scientific Reports*, **2014**, 4, 5277 | 4.9 | 64 |
| 60 | Evidence for a conserved quantity in human mobility. *Nature Human Behaviour*, **2018**, 2, 485-491 | 12.8 | 60 |
| 59 | Understanding predictability and exploration in human mobility. *EPJ Data Science*, **2018**, 7, | 3.4 | 59 |
| 58 | The strength of friendship ties in proximity sensor data. *PLoS ONE*, **2014**, 9, e100915 | 3.7 | 45 |
| 57 | The scales of human mobility. *Nature*, **2020**, 587, 402-407 | 50.4 | 44 |
| 56 | The chaperone effect in scientific publishing. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 12603-12607 | 11.5 | 44 |

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| 55 | Class attendance, peer similarity, and academic performance in a large field study. *PLoS ONE*, **2017**, 12, e0187078 | 3.7 | 42 |
| 54 | Deterministic modularity optimization. *European Physical Journal B*, **2007**, 60, 83-88 | 1.2 | 40 |
| 53 | Multi-scale spatio-temporal analysis of human mobility. *PLoS ONE*, **2017**, 12, e0171686 | 3.7 | 39 |
| 52 | Interaction data from the Copenhagen Networks Study. *Scientific Data*, **2019**, 6, 315 | 8.2 | 37 |
| 51 | The effectiveness of backward contact tracing in networks. *Nature Physics*, **2021**, 17, 652-658 | 16.2 | 37 |
| 50 | Inferring Person-to-person Proximity Using WiFi Signals **2017**, 1, 1-20 | | 36 |
| 49 | Participatory bluetooth sensing: A method for acquiring spatio-temporal data about participant mobility and interactions at large scale events **2013**, | | 29 |
| 48 | Digital proximity tracing on empirical contact networks for pandemic control. *Nature Communications*, **2021**, 12, 1655 | 17.4 | 28 |
| 47 | SensibleSleep: A Bayesian Model for Learning Sleep Patterns from Smartphone Events. *PLoS ONE*, **2017**, 12, e0169901 | 3.7 | 27 |
| 46 | Academic performance and behavioral patterns. *EPJ Data Science*, **2018**, 7, | 3.4 | 26 |
| 45 | Constrained information flows in temporal networks reveal intermittent communities. *Physical Review E*, **2018**, 97, 062312 | 2.4 | 26 |
| 44 | Digital daily cycles of individuals. *Frontiers in Physics*, **2015**, 3, | 3.9 | 26 |
| 43 | Life, death and preferential attachment. *Europhysics Letters*, **2005**, 69, 298-303 | 1.6 | 22 |
| 42 | Social network differences of chronotypes identified from mobile phone data. *EPJ Data Science*, **2018**, 7, | 3.4 | 22 |
| 41 | The role of gender in social network organization. *PLoS ONE*, **2017**, 12, e0189873 | 3.7 | 20 |
| 40 | Effect of manual and digital contact tracing on COVID-19 outbreaks: a study on empirical contact data. *Journal of the Royal Society Interface*, **2021**, 18, 20201000 | 4.1 | 20 |
| 39 | Gender differences in nighttime sleep patterns and variability across the adult lifespan: a global-scale wearables study. *Sleep*, **2021**, 44, | 1.1 | 17 |
| 38 | Measure of Node Similarity in Multilayer Networks. *PLoS ONE*, **2016**, 11, e0157436 | 3.7 | 16 |

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| 37 | Robustness and modular structure in networks. *Network Science*, **2015**, 3, 509-525 | 2.9 | 15 |
| 36 | Iterations as the result of social and technical factors: empirical evidence from a large-scale design project. *Research in Engineering Design - Theory, Applications, and Concurrent Engineering*, **2019**, 30, 251-270 | 3.5 | 15 |
| 35 | Bipartite networks of Wikipediaꞌs articles and authors **2009**, | | 14 |
| 34 | Opportunities and Challenges in Crowdsourced Wardriving **2015**, | | 12 |
| 33 | Understanding the interplay between social and spatial behaviour. *EPJ Data Science*, **2018**, 7, | 3.4 | 12 |
| 32 | Design process robustness: a bipartite network analysis reveals the central importance of people. *Design Science*, **2018**, 4, | 2.8 | 10 |
| 31 | Temporal fidelity in dynamic social networks. *European Physical Journal B*, **2015**, 88, 1 | 1.2 | 10 |
| 30 | Inferring human mobility from sparse low accuracy mobile sensing data **2014**, | | 8 |
| 29 | A mobile personal informatics system with interactive visualizations of mobility and social interactions **2013**, | | 8 |
| 28 | Optimizing targeted vaccination across cyber-physical networks: an empirically based mathematical simulation study. *Journal of the Royal Society Interface*, **2018**, 15, | 4.1 | 7 |
| 27 | Inferring Stop-Locations from WiFi. *PLoS ONE*, **2016**, 11, e0149105 | 3.7 | 7 |
| 26 | How Physical Proximity Shapes Complex Social Networks. *Scientific Reports*, **2018**, 8, 17722 | 4.9 | 7 |
| 25 | Spreading in Social Systems: Reflections. *Computational Social Sciences*, **2018**, 351-358 | 0.7 | 6 |
| 24 | Digital proximity tracing on empirical contact networks for pandemic control | | 6 |
| 23 | Effect of manual and digital contact tracing on COVID-19 outbreaks: a study on empirical contact data | | 6 |
| 22 | Social ties between team members affect patient satisfaction: a data-driven approach to handling complex network analyses. *Advances in Health Sciences Education*, **2020**, 25, 581-606 | 3.7 | 6 |
| 21 | Correlations between human mobility and social interaction reveal general activity patterns. *PLoS ONE*, **2017**, 12, e0188973 | 3.7 | 5 |
| 20 | Digital Proximity Tracing in the COVID-19 Pandemic on Empirical Contact Networks | | 5 |

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| 19 | Live and Dead Nodes. *Computational and Mathematical Organization Theory*, **2005**, 11, 161-170 | 2.1 | 4 |
| 18 | Characterizing polarization in online vaccine discourse-A large-scale study.. *PLoS ONE*, **2022**, 17, e0263746 | 3.7 | 4 |
| 17 | Contact activity and dynamics of the social core. *EPJ Data Science*, **2017**, 6, | 3.4 | 3 |
| 16 | Fundamental Structures in Temporal Communication Networks. *Computational Social Sciences*, **2019**, 25-48 | 0.7 | 3 |
| 15 | Task-specific information outperforms surveillance-style big data in predictive analytics. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 3 |
| 14 | Inferring transportation mode from smartphone sensors: Evaluating the potential of Wi-Fi and Bluetooth. *PLoS ONE*, **2020**, 15, e0234003 | 3.7 | 2 |
| 13 | Emergence of network effects and predictability in the judicial system. *Scientific Reports*, **2021**, 11, 2740 | 4.9 | 2 |
| 12 | Rising temperatures erode human sleep globally. *One Earth*, **2022**, 5, 534-549 | 8.1 | 2 |
| 11 | Comment: Citation Statistics. *Statistical Science*, **2009**, 24, | 2.4 | 1 |
| 10 | Understanding components of mobility during the COVID-19 pandemic. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2022**, 380, 20210118 | 3 | 1 |
| 9 | Dose-response functions and surrogate models for exploring social contagion in the Copenhagen Networks Study. *European Physical Journal: Special Topics*, **2021**, 230, 1-24 | 2.3 | 1 |
| 8 | MODULARITY, ROBUSTNESS, AND CHANGE PROPAGATION: A MULTIFACETED RELATION. *Proceedings of the Design Society DESIGN Conference*, **2020**, 1, 2335-2344 | 0.7 | 0 |
| 7 | Quantifying daily rhythms with non-negative matrix factorization applied to mobile phone data.. *Scientific Reports*, **2022**, 12, 5544 | 4.9 | 0 |
| 6 | Privacy and uniqueness of neighborhoods in social networks. *Scientific Reports*, **2021**, 11, 20104 | 4.9 | |
| 5 | Structures in Complex Bipartite Networks **2009**, 176-189 | | |
| 4 | The role of space, time and sociability in predicting social encounters. *Environment and Planning B: Urban Analytics and City Science*,239980832110168 | 2 | |
| 3 | A view from data science. *Big Data and Society*, **2021**, 8, 205395172110401 | 5.3 | |
| 2 | versus lockdown.. *National Science Review*, **2022**, 9, nwab178 | 10.8 | |

1 Using machine learning to identify quality-of-care predictors for emergency caesarean sections: a retrospective cohort study.. *BMJ Open*, **2022**, 12, e049046 3