Zbigniew Smoreda

List of Publications by Year
in descending order

73 papers	3,362 citations	257450 24 h-index	155660 55 g-index
89 all docs	89 docs citations	89 times ranked	3023 citing authors

#	Article	IF	Citations
1	Unravelling daily human mobility motifs. Journal of the Royal Society Interface, 2013, 10, 20130246.	3.4	379
2	Geographical dispersal of mobile communication networks. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 5317-5325.	2.6	326
3	On the Use of Human Mobility Proxies for Modeling Epidemics. PLoS Computational Biology, 2014, 10, e1003716.	3.2	265
4	The scaling of human interactions with city size. Journal of the Royal Society Interface, 2014, 11, 20130789.	3.4	247
5	Are social networks technologically embedded?. Social Networks, 2005, 27, 317-335.	2.1	221
6	Exploring the mobility of mobile phone users. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1459-1473.	2.6	182
7	Socio-Geography of Human Mobility: A Study Using Longitudinal Mobile Phone Data. PLoS ONE, 2012, 7, e39253.	2.5	160
8	Interplay between Telecommunications and Face-to-Face Interactions: A Study Using Mobile Phone Data. PLoS ONE, 2011, 6, e20814.	2.5	127
9	Everyday spaceâ€“time geographies: using mobile phone-based sensor data to monitor urban activity in Harbin, Paris, and Tallinn. International Journal of Geographical Information Science, 2015, 29, 2017-2039.	4.8	123
10	Delineating Geographical Regions with Networks of Human Interactions in an Extensive Set of Countries. PLoS ONE, 2013, 8, e81707.	2.5	104
11	On the privacy-conscientious use of mobile phone data. Scientific Data, 2018, 5, 180286.	5.3	94
12	An analytical framework to nowcast well-being using mobile phone data. International Journal of Data Science and Analytics, 2016, 2, 75-92.	4.1	86
13	A Tale of Ten Cities: Characterizing Signatures of Mobile Traffic in Urban Areas. IEEE Transactions on Mobile Computing, 2017, 16, 2682-2696.	5.8	59
14	Using big data to study the link between human mobility and socio-economic development. , 2015, , .		56
15	Gender-Specific Use of the Domestic Telephone. Social Psychology Quarterly, 2000, 63, 238.	2.1	54
16	Assessing the use of mobile phone data to describe recurrent mobility patterns in spatial epidemic models. Royal Society Open Science, 2017, 4, 160950.	2.4	53
17	Discovering urban and country dynamics from mobile phone data with spatial correlation patterns. Telecommunications Policy, 2015, 39, 347-362.	5.3	50
18	Passive Mobile Phone Dataset to Construct Origin-destination Matrix: Potentials and Limitations. Transportation Research Procedia, 2015, 11, 381-398.	1.5	49

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19	Assessing the Quality of Home Detection from Mobile Phone Data for Official Statistics. Journal of Official Statistics, 2018, 34, 935-960.	0.4	47
20	Using mobile phone geolocalisation for â€˜socioâ€geographicalâ€™ analysis of coâ€ordination, urban mobilities, and social integration patterns. Tijdschrift Voor Economische En Sociale Geografie, 2008, 99, 584-601.	2.1	40
21	Moving and Calling: Mobile Phone Data Quality Measurements and Spatiotemporal Uncertainty in Human Mobility Studies. Lecture Notes in Geoinformation and Cartography, 2013, , 247-265.	1.0	39
22	Identifying and modeling the structural discontinuities of human interactions. Scientific Reports, 2017, 7, 46677.	3.3	38
23	Inferring social influence in transport mode choice using mobile phone data. EPJ Data Science, 2017, 6, .	2.8	36
24	Closer to the total? Long-distance travel of French mobile phone users. Travel Behaviour & Society, 2018, 11, 31-42.	5.0	36
25	Not All Apps Are Created Equal. , 2017, , .		35
26	The anatomy of urban social networks and its implications in the searchability problem. Scientific Reports, 2015, 5, 10265.	3.3	34
27	Spatiotemporal Data from Mobile Phones for Personal Mobility Assessment. , 2013, , 745-768.		24
28	A data-driven approach for originâ€“destination matrix construction from cellular network signalling data: a case study of Lyon region (France). Transportation, 2021, 48, 1671-1702.	4.0	24
29	Origin-Destination estimation using mobile network probe data. Transportation Research Procedia, 2018, 32, 69-81.	1.5	23
30	TRANSIT: Fine-grained human mobility trajectory inference at scale with mobile network signaling data. Transportation Research Part C: Emerging Technologies, 2021, 130, 103257.	7.6	23
31	Weather Effects on Mobile Social Interactions: A Case Study of Mobile Phone Users in Lisbon, Portugal. PLoS ONE, 2012, 7, e45745.	2.5	20
32	Le Paris des visiteurs Ã©trangers, quâ€™en disent les tÃ©lÃ©phones mobiles ? InfÃ©rence des pratiques spatiales et frÃ©quentations des sites touristiques en ÃŽle-de-France. Revue Internationale De GÃ©omatique, 2012, 22, 413-437.	0.1	19
33	RÃ©seaux et les mutations de la sociabilitÃ©. RÃ©seaux, 2014, nÂ° 184-185, 161-185.	0.4	19
34	Comparing Regional Patterns of Individual Movement Using Corrected Mobility Entropy. Journal of Urban Technology, 2018, 25, 27-61.	4.7	18
35	Inferring and Modeling Migration Flows Using Mobile Phone Network Data. IEEE Access, 2019, 7, 164746-164758.	4.2	18
36	Out of Sight Out of Mind--How Our Mobile Social Network Changes during Migration. , 2011, , .		16

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37	A method to estimate population densities and electricity consumption from mobile phone data in developing countries. PLoS ONE, 2020, 15, e0235224.	2.5	14
38	Content consumption cartography of the paris urban region using cellular probe data. , 2012, , .		12
39	A comparison of spatial-based targeted disease mitigation strategies using mobile phone data. EPJ Data Science, 2018, 7, .	2.8	12
40	Methods for Inferring Route Choice of Commuting Trip From Mobile Phone Network Data. ISPRS International Journal of Geo-Information, 2020, 9, 306.	2.9	12
41	Power, gender stereotypes and perceptions of heterosexual couples. British Journal of Social Psychology, 1995, 34, 421-435.	2.8	11
42	Exploring the use of mobile phone data for domestic tourism trip analysis. Netcom, 2017, , 335-372.	0.2	11
43	News or social media? Socio-economic divide of mobile service consumption. Journal of the Royal Society Interface, 2021, 18, 20210350.	3.4	9
44	Mobile data traffic offloading over Passpoint hotspots. Computer Networks, 2015, 84, 76-93.	5.1	8
45	Influence of social relations on human mobility and sociality: a study of social ties in a cellular network. Social Network Analysis and Mining, 2016, 6, 1.	2.8	7
46	Identifying Common Periodicities in Mobile Service Demands with Spectral Analysis. , 2020, , .		6
47	Potential of cellular signaling data for time-of-day estimation and spatial classification of travel demand: a large-scale comparative study with travel survey and land use data. Transportation Letters, 2022, 14, 787-805.	3.1	5
48	Extraction De Reseaux Egocentres Dans Un (Tres Grand) Reseau Social. BMS Bulletin of Sociological Methodology/ Bulletin De Methodologie Sociologique, 2009, 101, 5-27.	0.8	4
49	Looking at spatiotemporal city dynamics through mobile phone lenses. , 2011, , .		4
50	Inferring Commuting Flows Using CDR Data. , 2018, , .		4
51	Urban Mobility: Velocity and Uncertainty in Mobile Phone Data. , 2011, , .		3
52	A Local Structure-Based Method for Nodes Clustering: Application to a Large Mobile Phone Social Network. Lecture Notes in Social Networks, 2013, , 157-184.	0.1	3
53	The elliptic model for communication fluxes. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P04022.	2.3	3
54	Urban-scale cellular offloading through Wi-Fi access points: A measurement-based case study. , 2015, , .		3

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55	Analysing the impact of electrification on rural attractiveness in Senegal with mobile phone data. Royal Society Open Science, 2021, 8, 201898.	2.4	3
56	Impact of Later-Stages COVID-19 Response Measures on Spatiotemporal Mobile Service Usage. , 2022, , .		3
57	Geolocation and Video Ethnography: Capturing Mobile Internet used by a Commuter. Mobilities, 2008, 3, 201-222.	3.8	2
58	Mobility-aware estimation of content consumption hotspots for urban cellular networks. , 2014, , .		2
59	Saisir les pratiques numÃ©riques dans leur globalitÃ©. RÃ©seaux, 2007, 25, 19-43.	0.4	2
60	Quantifying the achievable cellular traffic offloading gain with passpoint hotspots. , 2014, , .		1
61	Visualizing mobile phone usage for exploratory analysis. , 2016, , .		1
62	On mobile traffic distribution over cellular backhauling network nodes. , 2016, , .		1
63	Le mondial mobile. RÃ©seaux, 2007, 25, 367-392.	0.4	1
64	Temporary Migration Flow Inference and Analysis From Perspective of Mobile Phone Network Data. IEEE Access, 2022, 10, 23248-23258.	4.2	1
65	Saisir les pratiques numÃ©riques dans leur globalitÃ©. RÃ©seaux, 2007, 25, 19-43.	0.4	0
66	How the Quality of Call Detail Records Influences the Detection of Commuting Trips. Lecture Notes in Computer Science, 2019, , 650-662.	1.3	0
67	Title is missing!. , 2020, 15, e0235224.		0
68	Title is missing!. , 2020, 15, e0235224.		0
69	Title is missing!. , 2020, 15, e0235224.		0
70	Title is missing!. , 2020, 15, e0235224.		0
71	Title is missing!. , 2020, 15, e0235224.		0
72	Title is missing!. , 2020, 15, e0235224.		0

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73	La communication interpersonnelle face Ã la multiplication des technologies de contact. RÃ©seaux, 2007, 25, 81-115.	0.4	0