Stanislav Sobolevsky

List of Publications by Citations

49 papers	**2,515** citations	**21** h-index	**50** g-index
52 ext. papers	**2,945** ext. citations	**3.4** avg, IF	**5.04** L-index

#	Paper	IF	Citations
49	Geo-located Twitter as proxy for global mobility patterns. *Cartography and Geographic Information Science*, **2014**, 41, 260-271	2.1	418
48	Quantifying the benefits of vehicle pooling with shareability networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13290-4	11.5	383
47	A new insight into land use classification based on aggregated mobile phone data. *International Journal of Geographical Information Science*, **2014**, 28, 1988-2007	4.1	241
46	Redrawing the map of Great Britain from a network of human interactions. *PLoS ONE*, **2010**, 5, e14248	3.7	236
45	Exploring universal patterns in human home-work commuting from mobile phone data. *PLoS ONE*, **2014**, 9, e96180	3.7	167
44	Revisiting Street Intersections Using Slot-Based Systems. *PLoS ONE*, **2016**, 11, e0149607	3.7	111
43	Estimating human trajectories and hotspots through mobile phone data. *Computer Networks*, **2014**, 64, 296-307	5.4	105
42	An Analysis of Visitors' Behavior in the Louvre Museum: A Study Using Bluetooth Data. *Environment and Planning B: Planning and Design*, **2014**, 41, 1113-1131		96
41	Delineating geographical regions with networks of human interactions in an extensive set of countries. *PLoS ONE*, **2013**, 8, e81707	3.7	87
40	General optimization technique for high-quality community detection in complex networks. *Physical Review E*, **2014**, 90, 012811	2.4	82
39	The impact of social segregation on human mobility in developing and industrialized regions. *EPJ Data Science*, **2014**, 3,	3.4	63
38	Urban magnetism through the lens of geo-tagged photography. *EPJ Data Science*, **2015**, 4,	3.4	51
37	Predicting vehicular emissions in high spatial resolution using pervasively measured transportation data and microscopic emissions model. *Atmospheric Environment*, **2016**, 140, 352-363	5.3	50
36	Exploring human movements in Singapore **2013**,		48
35	Towards a Comparative Science of Cities: Using Mobile Traffic Records in New York, London, and Hong Kong **2015**, 363-387		45
34	Global multi-layer network of human mobility. *International Journal of Geographical Information Science*, **2017**, 31, 1381-1402	4.1	40
33	Scaling of City Attractiveness for Foreign Visitors through Big Data of Human Economical and Social Media Activity **2015**,		30

32	Money on the Move: Big Data of Bank Card Transactions as the New Proxy for Human Mobility Patterns and Regional Delineation. The Case of Residents and Foreign Visitors in Spain **2014**,		27
31	Structure of 311 service requests as a signature of urban location. *PLoS ONE*, **2017**, 12, e0186314	3.7	24
30	Identifying and modeling the structural discontinuities of human interactions. *Scientific Reports*, **2017**, 7, 46677	4.9	22
29	Cities through the Prism of People's Spending Behavior. *PLoS ONE*, **2016**, 11, e0146291	3.7	22
28	Choosing the Right Home Location Definition Method for the Given Dataset. *Lecture Notes in Computer Science*, **2015**, 194-208	0.9	21
27	Analysis of pedestrian behaviors through non-invasive Bluetooth monitoring. *Applied Geography*, **2017**, 81, 43-51	4.4	18
26	Socioeconomic characterization of regions through the lens of individual financial transactions. *PLoS ONE*, **2017**, 12, e0187031	3.7	15
25	Big Data Analytics and Business Intelligence in Industry. *Information Systems Frontiers*, **2017**, 19, 1229-1232	4	13
24	Scaling of foreign attractiveness for countries and states. *Applied Geography*, **2016**, 73, 47-52	4.4	12
23	Estimating Real Human Trajectories through Mobile Phone Data **2013**,		11
22	A Clustering Validity Index Based on Pairing Frequency. *IEEE Access*, **2017**, 5, 24884-24894	3.5	8
21	Vulnerability of Transportation Networks: The New York City Subway System under Simultaneous Disruptive Events. *Procedia Computer Science*, **2017**, 119, 42-50	1.6	8
20	Urban association rules: Uncovering linked trips for shopping behavior. *Environment and Planning B: Urban Analytics and City Science*, **2018**, 45, 367-385	2	7
19	Predicting regional economic indices using big data of individual bank card transactions **2017**,		7
18	Uncovering Urban Temporal Patterns from Geo-Tagged Photography. *PLoS ONE*, **2016**, 11, e0165753	3.7	7
17	Deriving human activity from geo-located data by ontological and statistical reasoning. *Knowledge-Based Systems*, **2018**, 143, 225-235	7.3	6
16	Reply to Lopez et al.: Sustainable implementation of taxi sharing requires understanding systemic effects. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E5489	11.5	5
15	Uncovering the Directional Heterogeneity of an Aggregated Mobile Phone Network. *Transactions in GIS*, **2014**, 18, 126-142	2.1	4

14	**2015**,		4
13	Impact of the spatial context on human communication activity **2015**,		4
12	Prediction limits of mobile phone activity modelling. *Royal Society Open Science*, **2017**, 4, 160900	3.3	3
11	The development of a data collection and analysis system based on social network users data. *Procedia Computer Science*, **2019**, 156, 194-203	1.6	3
10	Modeling Spatio-Temporal Evolution of Urban Crowd Flows. *ISPRS International Journal of Geo-Information*, **2019**, 8, 570	2.9	3
9	Geo-Tagged Social Media Data as a Proxy for Urban Mobility. *Advances in Intelligent Systems and Computing*, **2018**, 29-40	0.4	2
8	Stationary Spatial Charging Demand Distribution for Commercial Electric Vehicles in Urban Area **2019**,		2
7	Human activity recognition from spatial data sources **2014**,		1
6	Characterization of Behavioral Patterns Exploiting Description of Geographical Areas. *Lecture Notes in Computer Science*, **2016**, 159-176	0.9	1
5	Zoning of St. Petersburg Through the Prism of Social Activity Networks. *Procedia Computer Science*, **2020**, 178, 125-133	1.6	1
4	Analysis of Customers Spatial Distribution Through Transaction Datasets. *Lecture Notes in Computer Science*, **2016**, 177-189	0.9	1
3	Network Size Reduction Preserving Optimal Modularity and Clique Partition. *Lecture Notes in Computer Science*, **2022**, 19-33	0.9	0
2	Impact of income on urban commute across major cities in US. *Procedia Computer Science*, **2021**, 193, 325-332	1.6	
1	General Concept of the Storage and Analytics System for Human Migration Data. *Communications in Computer and Information Science*, **2018**, 266-276	0.3	