

Stanislav Sobolevsky

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,405
citations

361388

20
h-index

315719

38
g-index

52
all docs

52
docs citations

52
times ranked

3217
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the benefits of vehicle pooling with shareability networks. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13290-13294.	7.1	541
2	Geo-located Twitter as proxy for global mobility patterns. Cartography and Geographic Information Science, 2014, 41, 260-271.	3.0	525
3	A new insight into land use classification based on aggregated mobile phone data. International Journal of Geographical Information Science, 2014, 28, 1988-2007.	4.8	312
4	Redrawing the Map of Great Britain from a Network of Human Interactions. PLoS ONE, 2010, 5, e14248.	2.5	290
5	Exploring Universal Patterns in Human Home-Work Commuting from Mobile Phone Data. PLoS ONE, 2014, 9, e96180.	2.5	227
6	Revisiting Street Intersections Using Slot-Based Systems. PLoS ONE, 2016, 11, e0149607.	2.5	155
7	Estimating human trajectories and hotspots through mobile phone data. Computer Networks, 2014, 64, 296-307.	5.1	147
8	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.	1.7	129
9	General optimization technique for high-quality community detection in complex networks. Physical Review E, 2014, 90, 012811.	2.1	122
10	Delineating Geographical Regions with Networks of Human Interactions in an Extensive Set of Countries. PLoS ONE, 2013, 8, e81707.	2.5	104
11	The impact of social segregation on human mobility in developing and industrialized regions. EPJ Data Science, 2014, 3, .	2.8	89
12	Predicting vehicular emissions in high spatial resolution using pervasively measured transportation data and microscopic emissions model. Atmospheric Environment, 2016, 140, 352-363.	4.1	82
13	Urban magnetism through the lens of geo-tagged photography. EPJ Data Science, 2015, 4, .	2.8	68
14	Exploring human movements in Singapore. , 2013, , .		61
15	Towards a Comparative Science of Cities: Using Mobile Traffic Records in New York, London, and Hong Kong. , 2015, , 363-387.		59
16	Global multi-layer network of human mobility. International Journal of Geographical Information Science, 2017, 31, 1381-1402.	4.8	56
17	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, , .		40
18	Identifying and modeling the structural discontinuities of human interactions. Scientific Reports, 2017, 7, 46677.	3.3	38

#	ARTICLE	IF	CITATIONS
19	Structure of 311 service requests as a signature of urban location. PLoS ONE, 2017, 12, e0186314.	2.5	38
20	Scaling of City Attractiveness for Foreign Visitors through Big Data of Human Economical and Social Media Activity. , 2015, , .		35
21	Choosing the Right Home Location Definition Method for the Given Dataset. Lecture Notes in Computer Science, 2015, , 194-208.	1.3	32
22	Cities through the Prism of People's Spending Behavior. PLoS ONE, 2016, 11, e0146291.	2.5	32
23	Big Data Analytics and Business Intelligence in Industry. Information Systems Frontiers, 2017, 19, 1229-1232.	6.4	29
24	Analysis of pedestrian behaviors through non-invasive Bluetooth monitoring. Applied Geography, 2017, 81, 43-51.	3.7	23
25	Socioeconomic characterization of regions through the lens of individual financial transactions. PLoS ONE, 2017, 12, e0187031.	2.5	18
26	Scaling of foreign attractiveness for countries and states. Applied Geography, 2016, 73, 47-52.	3.7	15
27	Estimating Real Human Trajectories through Mobile Phone Data. , 2013, , .		13
28	Predicting regional economic indices using big data of individual bank card transactions. , 2017, , .		13
29	A Clustering Validity Index Based on Pairing Frequency. IEEE Access, 2017, 5, 24884-24894.	4.2	13
30	Vulnerability of Transportation Networks: The New York City Subway System under Simultaneous Disruptive Events. Procedia Computer Science, 2017, 119, 42-50.	2.0	13
31	Urban association rules: Uncovering linked trips for shopping behavior. Environment and Planning B: Urban Analytics and City Science, 2018, 45, 367-385.	2.0	11
32	Deriving human activity from geo-located data by ontological and statistical reasoning. Knowledge-Based Systems, 2018, 143, 225-235.	7.1	9
33	Uncovering Urban Temporal Patterns from Geo-Tagged Photography. PLoS ONE, 2016, 11, e0165753.	2.5	8
34	Stationary Spatial Charging Demand Distribution for Commercial Electric Vehicles in Urban Area. , 2019, , .		6
35	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-E5489.	7.1	5
36	Sublinear scaling of country attractiveness observed from Flickr dataset. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
37	Modeling Spatio-Temporal Evolution of Urban Crowd Flows. ISPRS International Journal of Geo-Information, 2019, 8, 570.	2.9	5
38	Geo-Tagged Social Media Data as a Proxy for Urban Mobility. Advances in Intelligent Systems and Computing, 2018, , 29-40.	0.6	5
39	Uncovering the Directional Heterogeneity of an Aggregated Mobile Phone Network. Transactions in GIS, 2014, 18, 126-142.	2.3	4
40	Impact of the spatial context on human communication activity. , 2015, , .		4
41	Prediction limits of mobile phone activity modelling. Royal Society Open Science, 2017, 4, 160900.	2.4	4
42	The development of a data collection and analysis system based on social network usersâ€™ data. Procedia Computer Science, 2019, 156, 194-203.	2.0	4
43	Zoning of St. Petersburg Through the Prism of Social Activity Networks. Procedia Computer Science, 2020, 178, 125-133.	2.0	4
44	Human activity recognition from spatial data sources. , 2014, , .		3
45	Characterization of Behavioral Patterns Exploiting Description of Geographical Areas. Lecture Notes in Computer Science, 2016, , 159-176.	1.3	3
46	Impact of income on urban commute across major cities in US. Procedia Computer Science, 2021, 193, 325-332.	2.0	2
47	Analysis of Customersâ€™ Spatial Distribution Through Transaction Datasets. Lecture Notes in Computer Science, 2016, , 177-189.	1.3	1
48	Design and Realization of Cognitive Routing Resources Using Big Data Analysis in SDN. , 2015, , .		0
49	ADDS-EVS: An agent-based deployment decision-support system for electric vehicle services. , 2021, , .		0
50	Digital Approach to Regional Delineation. , 2014, , 180-190.		0