# Stanislav Sobolevsky

## List of Publications by Year in Descending Order

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

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 49 | Network Size Reduction Preserving Optimal Modularity and Clique Partition. *Lecture Notes in Computer Science*, **2022**, 19-33 | 0.9 | 0 |
| 48 | Impact of income on urban commute across major cities in US. *Procedia Computer Science*, **2021**, 193, 325-332 | 1.6 | |
| 47 | Zoning of St. Petersburg Through the Prism of Social Activity Networks. *Procedia Computer Science*, **2020**, 178, 125-133 | 1.6 | 1 |
| 46 | 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 |
| 45 | Modeling Spatio-Temporal Evolution of Urban Crowd Flows. *ISPRS International Journal of Geo-Information*, **2019**, 8, 570 | 2.9 | 3 |
| 44 | Stationary Spatial Charging Demand Distribution for Commercial Electric Vehicles in Urban Area **2019**, | | 2 |
| 43 | Urban association rules: Uncovering linked trips for shopping behavior. *Environment and Planning B: Urban Analytics and City Science*, **2018**, 45, 367-385 | 2 | 7 |
| 42 | Geo-Tagged Social Media Data as a Proxy for Urban Mobility. *Advances in Intelligent Systems and Computing*, **2018**, 29-40 | 0.4 | 2 |
| 41 | Deriving human activity from geo-located data by ontological and statistical reasoning. *Knowledge-Based Systems*, **2018**, 143, 225-235 | 7.3 | 6 |
| 40 | General Concept of the Storage and Analytics System for Human Migration Data. *Communications in Computer and Information Science*, **2018**, 266-276 | 0.3 | |
| 39 | Analysis of pedestrian behaviors through non-invasive Bluetooth monitoring. *Applied Geography*, **2017**, 81, 43-51 | 4.4 | 18 |
| 38 | Identifying and modeling the structural discontinuities of human interactions. *Scientific Reports*, **2017**, 7, 46677 | 4.9 | 22 |
| 37 | Prediction limits of mobile phone activity modelling. *Royal Society Open Science*, **2017**, 4, 160900 | 3.3 | 3 |
| 36 | Global multi-layer network of human mobility. *International Journal of Geographical Information Science*, **2017**, 31, 1381-1402 | 4.1 | 40 |
| 35 | Big Data Analytics and Business Intelligence in Industry. *Information Systems Frontiers*, **2017**, 19, 1229-1232 | 7 | 13 |
| 34 | Socioeconomic characterization of regions through the lens of individual financial transactions. *PLoS ONE*, **2017**, 12, e0187031 | 3.7 | 15 |
| 33 | Predicting regional economic indices using big data of individual bank card transactions **2017**, | | 7 |

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|---|---|---|---|
| 32 | A Clustering Validity Index Based on Pairing Frequency. *IEEE Access*, **2017**, 5, 24884-24894 | 3.5 | 8 |
| 31 | Vulnerability of Transportation Networks: The New York City Subway System under Simultaneous Disruptive Events. *Procedia Computer Science*, **2017**, 119, 42-50 | 1.6 | 8 |
| 30 | Structure of 311 service requests as a signature of urban location. *PLoS ONE*, **2017**, 12, e0186314 | 3.7 | 24 |
| 29 | 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 |
| 28 | Cities through the Prism of People's Spending Behavior. *PLoS ONE*, **2016**, 11, e0146291 | 3.7 | 22 |
| 27 | Uncovering Urban Temporal Patterns from Geo-Tagged Photography. *PLoS ONE*, **2016**, 11, e0165753 | 3.7 | 7 |
| 26 | Characterization of Behavioral Patterns Exploiting Description of Geographical Areas. *Lecture Notes in Computer Science*, **2016**, 159-176 | 0.9 | 1 |
| 25 | Revisiting Street Intersections Using Slot-Based Systems. *PLoS ONE*, **2016**, 11, e0149607 | 3.7 | 111 |
| 24 | Analysis of Customers Spatial Distribution Through Transaction Datasets. *Lecture Notes in Computer Science*, **2016**, 177-189 | 0.9 | 1 |
| 23 | Scaling of foreign attractiveness for countries and states. *Applied Geography*, **2016**, 73, 47-52 | 4.4 | 12 |
| 22 | Scaling of City Attractiveness for Foreign Visitors through Big Data of Human Economical and Social Media Activity **2015**, | | 30 |
| 21 | **2015**, | | 4 |
| 20 | Urban magnetism through the lens of geo-tagged photography. *EPJ Data Science*, **2015**, 4, | 3.4 | 51 |
| 19 | Impact of the spatial context on human communication activity **2015**, | | 4 |
| 18 | Towards a Comparative Science of Cities: Using Mobile Traffic Records in New York, London, and Hong Kong **2015**, 363-387 | | 45 |
| 17 | Choosing the Right Home Location Definition Method for the Given Dataset. *Lecture Notes in Computer Science*, **2015**, 194-208 | 0.9 | 21 |
| 16 | Uncovering the Directional Heterogeneity of an Aggregated Mobile Phone Network. *Transactions in GIS*, **2014**, 18, 126-142 | 2.1 | 4 |
| 15 | 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 |

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|---|---|---|---|
| 14 | 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 |
| 13 | The impact of social segregation on human mobility in developing and industrialized regions. *EPJ Data Science*, **2014**, 3, | 3.4 | 63 |
| 12 | Exploring universal patterns in human home-work commuting from mobile phone data. *PLoS ONE*, **2014**, 9, e96180 | 3.7 | 167 |
| 11 | 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 |
| 10 | Geo-located Twitter as proxy for global mobility patterns. *Cartography and Geographic Information Science*, **2014**, 41, 260-271 | 2.1 | 418 |
| 9 | 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 |
| 8 | Human activity recognition from spatial data sources **2014**, | | 1 |
| 7 | General optimization technique for high-quality community detection in complex networks. *Physical Review E*, **2014**, 90, 012811 | 2.4 | 82 |
| 6 | 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 |
| 5 | Estimating human trajectories and hotspots through mobile phone data. *Computer Networks*, **2014**, 64, 296-307 | 5.4 | 105 |
| 4 | Exploring human movements in Singapore **2013**, | | 48 |
| 3 | Estimating Real Human Trajectories through Mobile Phone Data **2013**, | | 11 |
| 2 | Delineating geographical regions with networks of human interactions in an extensive set of countries. *PLoS ONE*, **2013**, 8, e81707 | 3.7 | 87 |
| 1 | Redrawing the map of Great Britain from a network of human interactions. *PLoS ONE*, **2010**, 5, e14248 | 3.7 | 236 |