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List of Publications by Year
in descending order

72 papers	2,689 citations	236925 25 h-index	189892 50 g-index
72 all docs	72 docs citations	72 times ranked	2219 citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing the locations of electric taxi charging stations: A spatial–temporal demand coverage approach. Transportation Research Part C: Emerging Technologies, 2016, 65, 172-189.	7.6	218
2	Coupling mobile phone and social media data: a new approach to understanding urban functions and diurnal patterns. International Journal of Geographical Information Science, 2017, 31, 2331-2358.	4.8	200
3	Spatial variations in urban public ridership derived from GPS trajectories and smart card data. Journal of Transport Geography, 2018, 69, 45-57.	5.0	146
4	Impacts of weather on public transport ridership: Results from mining data from different sources. Transportation Research Part C: Emerging Technologies, 2017, 75, 17-29.	7.6	135
5	Unravel the landscape and pulses of cycling activities from a dockless bike-sharing system. Computers, Environment and Urban Systems, 2019, 75, 184-203.	7.1	132
6	Activity Sequence-Based Indoor Pedestrian Localization Using Smartphones. IEEE Transactions on Human-Machine Systems, 2015, 45, 562-574.	3.5	122
7	Portraying the spatial dynamics of urban vibrancy using multisource urban big data. Computers, Environment and Urban Systems, 2020, 80, 101428.	7.1	113
8	Portraying Urban Functional Zones by Coupling Remote Sensing Imagery and Human Sensing Data. Remote Sensing, 2018, 10, 141.	4.0	110
9	Deep learning-based remote and social sensing data fusion for urban region function recognition. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 82-97.	11.1	105
10	ALIMC: Activity Landmark-Based Indoor Mapping via Crowdsourcing. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2774-2785.	8.0	99
11	Integrating Aerial and Street View Images for Urban Land Use Classification. Remote Sensing, 2018, 10, 1553.	4.0	97
12	Emerging social media data on measuring urban park use. Urban Forestry and Urban Greening, 2018, 31, 130-141.	5.3	93
13	Functional urban land use recognition integrating multi-source geospatial data and cross-correlations. Computers, Environment and Urban Systems, 2019, 78, 101374.	7.1	77
14	Do different datasets tell the same story about urban mobility â€" A comparative study of public transit and taxi usage. Journal of Transport Geography, 2018, 70, 78-90.	5.0	76
15	Exploring the spatial differentiation of urbanization on two sides of the Hu Huanyong Line -- based on nighttime light data and cellular automata. Applied Geography, 2019, 112, 102081.	3.7	61
16	Evaluating and characterizing urban vibrancy using spatial big data: Shanghai as a case study. Environment and Planning B: Urban Analytics and City Science, 2020, 47, 1543-1559.	2.0	60
17	Acceptability, energy consumption, and costs of electric vehicle for ride-hailing drivers in Beijing. Applied Energy, 2019, 250, 147-160.	10.1	59
18	A Robust Crowdsourcing-Based Indoor Localization System. Sensors, 2017, 17, 864.	3.8	51

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19	Spatiotemporal analysis of critical transportation links based on time geographic concepts: a case study of critical bridges in Wuhan, China. Journal of Transport Geography, 2012, 23, 44-59.	5.0	49
20	A bi-level Voronoi diagram-based metaheuristic for a large-scale multi-depot vehicle routing problem. Transportation Research, Part E: Logistics and Transportation Review, 2014, 61, 84-97.	7.4	47
21	OCD: Online Crowdsourced Delivery for On-Demand Food. IEEE Internet of Things Journal, 2020, 7, 6842-6854.	8.7	32
22	Resolving urban mobility networks from individual travel graphs using massive-scale mobile phone tracking data. Cities, 2021, 110, 103077.	5.6	30
23	A multi-objective approach to scheduling joint participation with variable space and time preferences and opportunities. Journal of Transport Geography, 2011, 19, 623-634.	5.0	29
24	Digital mapping of zinc in urban topsoil using multisource geospatial data and random forest. Science of the Total Environment, 2021, 792, 148455.	8.0	28
25	Resolving Surface Displacements in Shenzhen of China from Time Series InSAR. Remote Sensing, 2018, 10, 1162.	4.0	26
26	Prediction of human activity intensity using the interactions in physical and social spaces through graph convolutional networks. International Journal of Geographical Information Science, 2021, 35, 2489-2516.	4.8	25
27	A Graph Optimization-Based Indoor Map Construction Method via Crowdsourcing. IEEE Access, 2018, 6, 33692-33701.	4.2	23
28	Automatic Tunnel Crack Inspection Using an Efficient Mobile Imaging Module and a Lightweight CNN. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15190-15203.	8.0	23
29	A Voronoi neighborhood-based search heuristic for distance/capacity constrained very large vehicle routing problems. International Journal of Geographical Information Science, 2013, 27, 741-764.	4.8	21
30	Is eye-level greening associated with the use of dockless shared bicycles?. Urban Forestry and Urban Greening, 2020, 51, 126690.	5.3	21
31	Growth orientation of Cu–Sn IMC in Cu/Sn–3.5Ag/Cu– x Zn microbumps and Zn-doped solder joints. Materials Letters, 2014, 134, 184-186.	2.6	19
32	RDC-SLAM: A Real-Time Distributed Cooperative SLAM System Based on 3D LiDAR. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14721-14730.	8.0	19
33	Coupling graph deep learning and spatial-temporal influence of built environment for short-term bus travel demand prediction. Computers, Environment and Urban Systems, 2022, 94, 101776.	7.1	19
34	Reliable Rescue Routing Optimization for Urban Emergency Logistics under Travel Time Uncertainty. ISPRS International Journal of Geo-Information, 2018, 7, 77.	2.9	17
35	A global North-South division line for portraying urban development. IScience, 2021, 24, 102729.	4.1	17
36	Characterizing preferred motif choices and distance impacts. PLoS ONE, 2019, 14, e0215242.	2.5	16

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37	Tracking and Simulating Pedestrian Movements at Intersections Using Unmanned Aerial Vehicles. Remote Sensing, 2019, 11, 925.	4.0	16
38	Scale Effect on Fusing Remote Sensing and Human Sensing to Portray Urban Functions. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 38-42.	3.1	16
39	Analyzing Risk Factors for Fatality in Urban Traffic Crashes: A Case Study of Wuhan, China. Sustainability, 2017, 9, 897.	3.2	15
40	A spatial parallel heuristic approach for solving very large‐scale vehicle routing problems. Transactions in GIS, 2017, 21, 1130-1147.	2.3	14
41	A simple and direct method to analyse the influences of sampling fractions on modelling intra-city human mobility. International Journal of Geographical Information Science, 2019, 33, 618-644.	4.8	13
42	Real-Time Route Recommendations for E-Taxies Leveraging GPS Trajectories. IEEE Transactions on Industrial Informatics, 2021, 17, 3133-3142.	11.3	13
43	Segregation or integration? Exploring activity disparities between migrants and settled urban residents using human mobility data. Transactions in GIS, 2021, 25, 2791-2820.	2.3	13
44	Multi-Objective Emergency Material Vehicle Dispatching and Routing under Dynamic Constraints in an Earthquake Disaster Environment. ISPRS International Journal of Geo-Information, 2017, 6, 142.	2.9	12
45	A Novel Access Point Placement Method for WiFi Fingerprinting Considering Existing APs. IEEE Wireless Communications Letters, 2020, 9, 1799-1802.	5.0	12
46	A Pedestrian Network Construction System Based on Crowdsourced Walking Trajectories. IEEE Internet of Things Journal, 2021, 8, 7203-7213.	8.7	12
47	Exploring metro vibrancy and its relationship with built environment: a cross-city comparison using multi-source urban data. Geo-Spatial Information Science, 2022, 25, 182-196.	5.3	12
48	A Novel Spatial-Temporal Voronoi Diagram-Based Heuristic Approach for Large-Scale Vehicle Routing Optimization with Time Constraints. ISPRS International Journal of Geo-Information, 2015, 4, 2019-2044.	2.9	11
49	An Efficient Access Model of Massive Spatiotemporal Vehicle Trajectory Data in Smart City. IEEE Access, 2020, 8, 52452-52465.	4.2	11
50	A Bayesian spatio-temporal model to analyzing the stability of patterns of population distribution in an urban space using mobile phone data. International Journal of Geographical Information Science, 2021, 35, 116-134.	4.8	11
51	Optimizing Living Material Delivery During the COVID-19 Outbreak. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6709-6719.	8.0	11
52	Profiling the Spatial Structure of London: From Individual Tweets to Aggregated Functional Zones. ISPRS International Journal of Geo-Information, 2018, 7, 386.	2.9	10
53	DAPR-tree: a distributed spatial data indexing scheme with data access patterns to support Digital Earth initiatives. International Journal of Digital Earth, 2020, 13, 1656-1671.	3.9	10
54	A hierarchical approach for fine-grained urban villages recognition fusing remote and social sensing data. International Journal of Applied Earth Observation and Geoinformation, 2022, 106, 102661.	2.8	10

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55	Exploring time varying shortest path of urban OD Pairs based on floating car data. , 2010, , .		8
56	Employing waterborne autonomous vehicles for museum visits: a case study in Amsterdam. European Transport Research Review, 2020, 12, .	4.8	8
57	Optimizing Mixed Pedestrian-Vehicle Evacuation via Adaptive Network Reconfiguration. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1023-1033.	8.0	7
58	A Heterogeneous Access Metamodel for Efficient IoT Remote Sensing Observation Management: Taking Precision Agriculture as an Example. IEEE Internet of Things Journal, 2022, 9, 8616-8632.	8.7	5
59	A Novel Effective Indicator of Weighted Inter-City Human Mobility Networks to Estimate Economic Development. Sustainability, 2019, 11, 6348.	3.2	4
60	Identifying the Potential for Partial Integration of Private and Public Transportation. Sustainability, 2021, 13, 3424.	3.2	3
61	Inferring individual physical locations with social friendships. , 2015, , .		2
62	STIETR. , 2019, , .		2
63	Understanding Ridesourcing Mobility and the Future of Electrification: A Comparative Study in Beijing. Journal of Urban Technology, 2021, 28, 217-236.	4.7	2
64	A heterogeneous key performance indicator metadata model for air quality monitoring in sustainable cities. Environmental Modelling and Software, 2021, 136, 104955.	4.5	2
65	Integrated environmental and human observations for smart cities. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 1375-1379.	2.0	2
66	A Spatio-Temporal Decision Support Framework for Large Scale Logistics Distribution in the Metropolitan Area. Advances in Geographic Information Science, 2015, , 193-206.	0.6	2
67	COMPARISON OF URBAN HUMAN MOVEMENTS INFERRING FROM MULTI-SOURCE SPATIAL-TEMPORAL DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B2, 471-476.	0.2	2
68	Sensing the Nighttime Economyâ€"Housing Imbalance from a Mobile Phone Data Perspective: A Case Study in Shanghai. Remote Sensing, 2022, 14, 2738.	4.0	2
69	Collaboratively inspect large-area sewer pipe networks using pipe robotic capsules. , 2021, , .		1
70	User-Generated Content and Its Applications in Urban Studies. Urban Book Series, 2021, , 523-539.	0.6	0
71	Spatiotemporal Critical Opportunity and Link Identification for Joint Participation Scheduling. , 2015, , 109-126.		0
72	Profiling rapid urban transformation through urban mobility data in Shenzhen. , 2020, , 86-100.		0