

Carlo Ratti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177
papers

9,647
citations

48
h-index

95
g-index

180
ext. papers

11,651
ext. citations

4.7
avg, IF

6.72
L-index

#	Paper	IF	Citations
177	A Pedestrian-Level Strategy to Minimize Outdoor Sunlight Exposure. <i>Springer Optimization and Its Applications</i> , 2022 , 123-134	0.4	1
176	Evaluating the Meteorological Effects on the Urban Form-Air Quality Relationship Using Mobile Monitoring.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
175	An economically feasible optimization of photovoltaic provision using real electricity demand: A case study in New York city. <i>Sustainable Cities and Society</i> , 2022 , 78, 103614	10.1	3
174	Temporary Migration Flow Inference and Analysis From Perspective of Mobile Phone Network Data. <i>IEEE Access</i> , 2022 , 10, 23248-23258	3.5	
173	An Unsupervised Approach for Driving Behavior Analysis of Professional Truck Drivers. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022 , 44-56	0.2	1
172	The cost of non-coordination in urban on-demand mobility.. <i>Scientific Reports</i> , 2022 , 12, 4669	4.9	1
171	Solar photovoltaic generation for charging shared electric scooters. <i>Applied Energy</i> , 2022 , 313, 118728	10.7	1
170	Optimization of photovoltaic provision in a three-dimensional city using real-time electricity demand. <i>Applied Energy</i> , 2022 , 316, 119042	10.7	0
169	Vector-based pedestrian navigation in cities. <i>Nature Computational Science</i> , 2021 , 1, 678-685		12
168	Leveraging the Use of Digital Technologies to Activate Public Areas and Foster Creativity. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2021 , 45-57	0.6	1
167	Analysis of mobility homophily in Stockholm based on social network data. <i>PLoS ONE</i> , 2021 , 16, e0247996	3.7	4
166	Identifying the Potential for Partial Integration of Private and Public Transportation. <i>Sustainability</i> , 2021 , 13, 3424	3.6	2
165	Desirable streets: Using deviations in pedestrian trajectories to measure the value of the built environment. <i>Computers, Environment and Urban Systems</i> , 2021 , 86, 101563	5.9	12
164	Leveraging artificial intelligence to analyze citizens' opinions on urban green space. <i>City and Environment Interactions</i> , 2021 , 10, 100058	3.2	9
163	The universal visitation law of human mobility. <i>Nature</i> , 2021 , 593, 522-527	50.4	33
162	Association between NO2 concentrations and spatial configuration: a study of the impacts of COVID-19 lockdowns in 54 US cities. <i>Environmental Research Letters</i> , 2021 , 16, 054064	6.2	4
161	Mapping the diversity of street tree inventories across eight cities internationally using open data. <i>Urban Forestry and Urban Greening</i> , 2021 , 61, 127099	5.4	6

160	Understanding urban centers in Shanghai with big data: Local and non-local function perspectives. <i>Cities</i> , 2021 , 113, 103156	5.6	3
159	Host cities versus boom towns: Do China's high-speed rail new towns thrive?. <i>Regional Science and Urban Economics</i> , 2021 , 89, 103682	2.2	7
158	Understanding Ridesourcing Mobility and the Future of Electrification: A Comparative Study in Beijing. <i>Journal of Urban Technology</i> , 2021 , 28, 217-236	5.9	0
157	Urban sensing as a random search process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 562, 125307	3.3	1
156	Perception bias—Deciphering a mismatch between urban crime and perception of safety. <i>Landscape and Urban Planning</i> , 2021 , 207, 104003	7.7	9
155	Quantifying the Spatio-Temporal Potential of Drive-by Sensing in Smart Cities. <i>Journal of Urban Technology</i> , 2021 , 28, 199-216	5.9	0
154	Analyzing the obstruction effects of obstacles on light pollution caused by street lighting system in Cambridge, Massachusetts. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021 , 48, 216-230	2.0	5
153	A gridded establishment dataset as a proxy for economic activity in China. <i>Scientific Data</i> , 2021 , 8, 5	8.2	4
152	What Urban Cameras Reveal About the City: The Work of the Senseable City Lab. <i>Urban Book Series</i> , 2021 , 491-502	0.3	1
151	Modeling consumer affinity towards adopting partially and fully automated vehicles—The role of preference heterogeneity at different geographic levels. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 129, 103276	8.4	5
150	Correlation of WorldView-3 spectral vegetation indices and soil health indicators of individual urban trees with exceptions to topsoil disturbance. <i>City and Environment Interactions</i> , 2021 , 11, 100068	3.2	1
149	Human settlement value assessment from a place perspective: Considering human dynamics and perceptions in house price modeling. <i>Cities</i> , 2021 , 118, 103333	5.6	9
148	Estimating the Potential for Shared Autonomous Scooters. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	7
147	Methods for Inferring Route Choice of Commuting Trip From Mobile Phone Network Data. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 306	2.9	6
146	Air quality monitoring using mobile low-cost sensors mounted on trash-trucks: Methods development and lessons learned. <i>Sustainable Cities and Society</i> , 2020 , 60, 102239	10.1	16
145	Quantifying Memories: Mapping Urban Perception. <i>Mobile Networks and Applications</i> , 2020 , 25, 1275-1286	6.9	6
144	The effect of urban morphology on the solar capacity of three-dimensional cities. <i>Renewable Energy</i> , 2020 , 153, 1111-1126	8.1	15
143	Understanding spatio-temporal heterogeneity of bike-sharing and scooter-sharing mobility. <i>Computers, Environment and Urban Systems</i> , 2020 , 81, 101483	5.9	51

142	Paris-Gare-de-Lyon DNA: Analysis of Passengers Behaviors Through Wi-Fi Access Points. <i>Springer Proceedings in Physics</i> , 2020 , 589-596	0.2	1
141	Addressing the "minimum parking" problem for on-demand mobility. <i>Scientific Reports</i> , 2020 , 10, 15885	4.9	7
140	Visualizing public transit system operation with GTFS data: A case study of Calgary, Canada. <i>Heliyon</i> , 2020 , 6, e03729	3.6	13
139	Quantifying and analyzing traffic emission reductions from ridesharing: A case study of Shanghai. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 89, 102629	6.4	8
138	Understanding house price appreciation using multi-source big geo-data and machine learning. <i>Land Use Policy</i> , 2020 , 104919	5.6	28
137	Analysis of demandSupply gaps in public transit systems based on census and GTFS data: a case study of Calgary, Canada. <i>Public Transport</i> , 2020 , 12, 483-516	2.1	9
136	Spatial clustering: Influence of urban street networks on retail sales volumes. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020 , 239980832095421	2	2
135	Lessons learned from longitudinal modeling of mobile-equipped visitors in a complex museum. <i>Neural Computing and Applications</i> , 2020 , 32, 7785-7801	4.8	7
134	Quantifying and spatial disaggregation of air pollution emissions from ground transportation in a developing country context: Case study for the Lima Metropolitan Area in Peru. <i>Science of the Total Environment</i> , 2020 , 698, 134313	10.2	14
133	Classification and mapping of urban canyon geometry using Google Street View images and deep multitask learning. <i>Building and Environment</i> , 2020 , 167, 106424	6.5	25
132	Home-work carpooling for social mixing. <i>Transportation</i> , 2020 , 47, 2671-2701	4	5
131	Comparing bicycling and pedestrian mobility: Patterns of non-motorized human mobility in Greater Boston. <i>Journal of Transport Geography</i> , 2019 , 80, 102501	5.2	6
130	Quantifying legibility of indoor spaces using Deep Convolutional Neural Networks: Case studies in train stations. <i>Building and Environment</i> , 2019 , 160, 106099	6.5	3
129	Quantifying the sensing power of vehicle fleets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 12752-12757	11.5	23
128	Acceptability, energy consumption, and costs of electric vehicle for ride-hailing drivers in Beijing. <i>Applied Energy</i> , 2019 , 250, 147-160	10.7	36
127	Deep Learning Architect: Classification for Architectural Design Through the Eye of Artificial Intelligence. <i>Lecture Notes in Geoinformation and Cartography</i> , 2019 , 249-265	0.3	9
126	Deep Learning-Based Video System for Accurate and Real-Time Parking Measurement. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 7693-7701	10.7	29
125	Using Google Street View for Street-Level Urban Form Analysis, a Case Study in Cambridge, Massachusetts. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2019 , 457-470	0.8	2

124	Discovering place-informative scenes and objects using social media photos. <i>Royal Society Open Science</i> , 2019 , 6, 181375	3.3	17
123	Unravel the landscape and pulses of cycling activities from a dockless bike-sharing system. <i>Computers, Environment and Urban Systems</i> , 2019 , 75, 184-203	5.9	83
122	Mapping the spatio-temporal distribution of solar radiation within street canyons of Boston using Google Street View panoramas and building height model. <i>Landscape and Urban Planning</i> , 2019 , 191, 103387	7.7	29
121	Solar accessibility in developing cities: A case study in Kowloon East, Hong Kong. <i>Sustainable Cities and Society</i> , 2019 , 51, 101738	10.1	8
120	Predicting neighborhoods' socioeconomic attributes using restaurant data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15447-15452	11.5	32
119	A novel method for predicting and mapping the occurrence of sun glare using Google Street View. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 106, 132-144	8.4	15
118	Analysis of visitors' mobility patterns through random walk in the Louvre Museum. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 1	3.7	7
117	Typeface Reveals Spatial Economical Patterns. <i>Scientific Reports</i> , 2019 , 9, 15946	4.9	2
116	Improved upper bounds in clique partitioning problem. <i>Zhurnal Belorusskogo Gosudarstvennogo Universiteta Matematika Informatika</i> , 2019 , 93-104	0.2	1
115	Assessing the interplay between human mobility and mosquito borne diseases in urban environments. <i>Scientific Reports</i> , 2019 , 9, 16911	4.9	32
114	Inferring and Modeling Migration Flows Using Mobile Phone Network Data. <i>IEEE Access</i> , 2019 , 7, 1647463-1647582	3.5	15
113	Quantifying segregation in an integrated urban physical-social space. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190536	4.1	22
112	Exploring the effect of air pollution on social activity in China using geotagged social media check-in data. <i>Cities</i> , 2019 , 91, 116-125	5.6	31
111	Optimizing the deployment of electric vehicle charging stations using pervasive mobility data. <i>Transportation Research, Part A: Policy and Practice</i> , 2019 , 121, 75-91	3.7	43
110	Human mobility and socioeconomic status: Analysis of Singapore and Boston. <i>Computers, Environment and Urban Systems</i> , 2018 , 72, 51-67	5.9	90
109	The characteristics of asymmetric pedestrian behavior: A preliminary study using passive smartphone location data. <i>Transactions in GIS</i> , 2018 , 22, 616-634	2.1	14
108	Mapping the spatial distribution of shade provision of street trees in Boston using Google Street View panoramas. <i>Urban Forestry and Urban Greening</i> , 2018 , 31, 109-119	5.4	39
107	Quantifying the shade provision of street trees in urban landscape: A case study in Boston, USA, using Google Street View. <i>Landscape and Urban Planning</i> , 2018 , 169, 81-91	7.7	94

106	Urban association rules: Uncovering linked trips for shopping behavior. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2018 , 45, 367-385	2	7
105	What Big Data Tell Us About Trees and the Sky in the Cities 2018 , 59-62		1
104	The Impact of Autonomous Vehicles on Cities: A Review. <i>Journal of Urban Technology</i> , 2018 , 25, 3-18	5.9	113
103	Investigating the association between streetscapes and human walking activities using Google Street View and human trajectory data. <i>Transactions in GIS</i> , 2018 , 22, 1029-1044	2.1	28
102	Do different datasets tell the same story about urban mobility? A comparative study of public transit and taxi usage. <i>Journal of Transport Geography</i> , 2018 , 70, 78-90	5.2	48
101	Using Street-level Images and Deep Learning for Urban Landscape STUDIES. <i>Landscape Architecture Frontiers</i> , 2018 , 6, 20	1.3	11
100	Deriving human activity from geo-located data by ontological and statistical reasoning. <i>Knowledge-Based Systems</i> , 2018 , 143, 225-235	7.3	6
99	Monitour: Tracking global routes of electronic waste. <i>Waste Management</i> , 2018 , 72, 362-370	8.6	46
98	2018 ,		14
97	The future of waste management in smart and sustainable cities: A review and concept paper. <i>Waste Management</i> , 2018 , 81, 177-195	8.6	167
96	Measuring human perceptions of a large-scale urban region using machine learning. <i>Landscape and Urban Planning</i> , 2018 , 180, 148-160	7.7	140
95	. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 4567-4579	10.7	54
94	Revealing centrality in the spatial structure of cities from human activity patterns. <i>Urban Studies</i> , 2017 , 54, 437-455	3.2	65
93	Analysis of pedestrian behaviors through non-invasive Bluetooth monitoring. <i>Applied Geography</i> , 2017 , 81, 43-51	4.4	18
92	Re-Imagining Streetlight Infrastructure as a Digital Urban Platform. <i>Journal of Urban Technology</i> , 2017 , 24, 51-64	5.9	6
91	Identifying and modeling the structural discontinuities of human interactions. <i>Scientific Reports</i> , 2017 , 7, 46677	4.9	22
90	Green streets [Quantifying and mapping urban trees with street-level imagery and computer vision. <i>Landscape and Urban Planning</i> , 2017 , 165, 93-101	7.7	113
89	Noninvasive Bluetooth Monitoring of Visitors' Length of Stay at the Louvre. <i>IEEE Pervasive Computing</i> , 2017 , 16, 26-34	1.3	22

88	Prediction limits of mobile phone activity modelling. <i>Royal Society Open Science</i> , 2017 , 4, 160900	3.3	3
87	Global multi-layer network of human mobility. <i>International Journal of Geographical Information Science</i> , 2017 , 31, 1381-1402	4.1	40
86	Socioeconomic characterization of regions through the lens of individual financial transactions. <i>PLoS ONE</i> , 2017 , 12, e0187031	3.7	15
85	Effect of weather on pedestrian trip count and duration: City-scale evaluations using mobile phone application data. <i>Preventive Medicine Reports</i> , 2017 , 8, 30-37	2.6	24
84	Smartphone data streams for bridge health monitoring. <i>Procedia Engineering</i> , 2017 , 199, 966-971		18
83	How friends share urban space: An exploratory spatiotemporal analysis using mobile phone data. <i>Transactions in GIS</i> , 2017 , 21, 468-487	2.1	23
82	An exploration of collaborative scientific production at MIT through spatial organization and institutional affiliation. <i>PLoS ONE</i> , 2017 , 12, e0179334	3.7	19
81	Mapping Urban Landscapes Along Streets Using Google Street View. <i>Lecture Notes in Geoinformation and Cartography</i> , 2017 , 341-356	0.3	24
80	"Exposure Track"-The Impact of Mobile-Device-Based Mobility Patterns on Quantifying Population Exposure to Air Pollution. <i>Environmental Science & Technology</i> , 2016 , 50, 9671-81	10.3	94
79	Predicting vehicular emissions in high spatial resolution using pervasively measured transportation data and microscopic emissions model. <i>Atmospheric Environment</i> , 2016 , 140, 352-363	5.3	50
78	Inferring individual daily activities from mobile phone traces: A Boston example. <i>Environment and Planning B: Planning and Design</i> , 2016 , 43, 920-940		54
77	Cities through the Prism of People's Spending Behavior. <i>PLoS ONE</i> , 2016 , 11, e0146291	3.7	22
76	Uncovering Urban Temporal Patterns from Geo-Tagged Photography. <i>PLoS ONE</i> , 2016 , 11, e0165753	3.7	7
75	Revisiting Street Intersections Using Slot-Based Systems. <i>PLoS ONE</i> , 2016 , 11, e0149607	3.7	111
74	One to Many: Opportunities to Understanding Collective Behaviors in Urban Environments Through Individual Passively-Collected Locative Data. <i>Lecture Notes in Computer Science</i> , 2016 , 482-493	0.9	1
73	Analysis of Customers Spatial Distribution Through Transaction Datasets. <i>Lecture Notes in Computer Science</i> , 2016 , 177-189	0.9	1
72	Scaling of foreign attractiveness for countries and states. <i>Applied Geography</i> , 2016 , 73, 47-52	4.4	12
71	From Origins to Destinations: The Past, Present and Future of Visualizing Flow Maps. <i>Built Environment</i> , 2016 , 42, 338-355	1.3	6

70	Scaling of City Attractiveness for Foreign Visitors through Big Data of Human Economical and Social Media Activity 2015 ,			30
69	2015 ,			4
68	Urban magnetism through the lens of geo-tagged photography. <i>EPJ Data Science</i> , 2015 , 4,	3.4		51
67	Supersampling and Network Reconstruction of Urban Mobility. <i>PLoS ONE</i> , 2015 , 10, e0134508	3.7		19
66	Towards a Comparative Science of Cities: Using Mobile Traffic Records in New York, London, and Hong Kong 2015 , 363-387			45
65	Choosing the Right Home Location Definition Method for the Given Dataset. <i>Lecture Notes in Computer Science</i> , 2015 , 194-208	0.9		21
64	Care to Share?. <i>Advances in Geospatial Technologies Book Series</i> , 2015 , 222-244	0		
63	Uncovering the Directional Heterogeneity of an Aggregated Mobile Phone Network. <i>Transactions in GIS</i> , 2014 , 18, 126-142	2.1		4
62	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
61	A new insight into land use classification based on aggregated mobile phone data. <i>International Journal of Geographical Information Science</i> , 2014 , 28, 1988-2007	4.1		241
60	The impact of social segregation on human mobility in developing and industrialized regions. <i>EPJ Data Science</i> , 2014 , 3,	3.4		63
59	The scaling of human interactions with city size. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20130782	4.1		175
58	Exploring universal patterns in human home-work commuting from mobile phone data. <i>PLoS ONE</i> , 2014 , 9, e96180	3.7		167
57	Quantifying the benefits of vehicle pooling with shareability networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13290-4	11.5		383
56	Geo-located Twitter as proxy for global mobility patterns. <i>Cartography and Geographic Information Science</i> , 2014 , 41, 260-271	2.1		418
55	An Analysis of Visitors' Behavior in the Louvre Museum: A Study Using Bluetooth Data. <i>Environment and Planning B: Planning and Design</i> , 2014 , 41, 1113-1131			96
54	Human activity recognition from spatial data sources 2014 ,			1
53	General optimization technique for high-quality community detection in complex networks. <i>Physical Review E</i> , 2014 , 90, 012811	2.4		82

52	Learning from tracking waste: How transparent trash networks affect sustainable attitudes and behavior 2014 ,		3
51	Reply to Lopez et al.: Sustainable implementation of taxi sharing requires understanding systemic effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5489 ¹⁻⁵		5
50	Estimating human trajectories and hotspots through mobile phone data. <i>Computer Networks</i> , 2014 , 64, 296-307	5.4	105
49	Contraction of online response to major events. <i>PLoS ONE</i> , 2014 , 9, e89052	3.7	16
48	Understanding individual mobility patterns from urban sensing data: A mobile phone trace example. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 26, 301-313	8.4	338
47	Tracking Trash. <i>IEEE Pervasive Computing</i> , 2013 , 12, 38-48	1.3	12
46	Exploring human movements in Singapore 2013 ,		48
45	Trash track--active location sensing for evaluating e-waste transportation. <i>Waste Management and Research</i> , 2013 , 31, 150-9	4	3
44	Data dimension: accessing urban data and making it accessible. <i>Proceedings of the Institution of Civil Engineers: Urban Design and Planning</i> , 2013 , 166, 60-75	0.6	13
43	Delineating geographical regions with networks of human interactions in an extensive set of countries. <i>PLoS ONE</i> , 2013 , 8, e81707	3.7	87
42	Enabling the Real-Time City: LIVE Singapore!. <i>Journal of Urban Technology</i> , 2012 , 19, 89-112	5.9	49
41	Putting Matter in Place. <i>Journal of the American Planning Association</i> , 2012 , 78, 173-196	2.9	13
40	2012 ,		2
39	New Tools for Studying Visitor Behaviours in Museums: A Case Study at the Louvre 2012 , 391-402		20
38	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 141-151	6.1	413
37	Estimating Origin-Destination Flows Using Mobile Phone Location Data. <i>IEEE Pervasive Computing</i> , 2011 , 10, 36-44	1.3	327
36	Interplay between telecommunications and face-to-face interactions: a study using mobile phone data. <i>PLoS ONE</i> , 2011 , 6, e20814	3.7	106
35	The Connected States of America: Quantifying Social Radii of Influence 2011 ,		20

34	Out of Sight Out of Mind--How Our Mobile Social Network Changes during Migration 2011 ,		11
33	Inferring Asymmetry of Inhabitant Flow using Call Detail Records. <i>Journal of Advances in Information Technology</i> , 2011 , 2,	0.2	2
32	Construction of Digital Elevation Models for a Southern European City and a Comparative Morphological Analysis with Respect to Northern European and North American Cities. <i>Journal of Applied Meteorology and Climatology</i> , 2010 , 49, 1377-1396	2.7	40
31	Ocean of information 2010 ,		6
30	Transportation mode inference from anonymized and aggregated mobile phone call detail records 2010 ,		90
29	The Geography of Taste: Analyzing Cell-Phone Mobility and Social Events. <i>Lecture Notes in Computer Science</i> , 2010 , 22-37	0.9	122
28	Does Urban Mobility Have a Daily Routine? Learning from the Aggregate Data of Mobile Networks. <i>Journal of Urban Technology</i> , 2010 , 17, 41-60	5.9	148
27	Activity-Aware Map: Identifying Human Daily Activity Pattern Using Mobile Phone Data. <i>Lecture Notes in Computer Science</i> , 2010 , 14-25	0.9	125
26	Uncovering cabdrivers' behavior patterns from their digital traces. <i>Computers, Environment and Urban Systems</i> , 2010 , 34, 541-548	5.9	162
25	Redrawing the map of Great Britain from a network of human interactions. <i>PLoS ONE</i> , 2010 , 5, e14248	3.7	236
24	Taxi-Aware Map: Identifying and Predicting Vacant Taxis in the City. <i>Lecture Notes in Computer Science</i> , 2010 , 86-95	0.9	58
23	MIT GEOblog: A platform for digital annotation of space for collective community based digital story telling 2009 ,		2
22	Eigenplaces: Analysing Cities Using the Space-Time Structure of the Mobile Phone Network. <i>Environment and Planning B: Planning and Design</i> , 2009 , 36, 824-836		176
21	Sunscapes: Solar envelopes and the analysis of urban DEMs. <i>Computers, Environment and Urban Systems</i> , 2009 , 33, 26-34	5.9	42
20	Urban gravity: a model for inter-city telecommunication flows. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, L07003	1.9	178
19	Understanding individual and collective mobility patterns from smart card records: A case study in Shenzhen 2009 ,		40
18	A holistic framework for the study of urban traces and the profiling of urban processes and dynamics 2009 ,		16
17	. <i>IEEE Pervasive Computing</i> , 2008 , 7, 36-43	1.3	279

16	Leveraging explicitly disclosed location information to understand tourist dynamics: a case study. <i>Journal of Location Based Services</i> , 2008 , 2, 41-56	1.9	97
15	. <i>IEEE Pervasive Computing</i> , 2007 , 6, 30-38	1.3	270
14	Urban Computing and Mobile Devices. <i>IEEE Pervasive Computing</i> , 2007 , 6, 52-57	1.3	14
13	Real-time landscape model interaction using a tangible geospatial modeling environment. <i>IEEE Computer Graphics and Applications</i> , 2006 , 26, 55-63	1.7	17
12	Mobile Landscapes: Using Location Data from Cell Phones for Urban Analysis. <i>Environment and Planning B: Planning and Design</i> , 2006 , 33, 727-748		514
11	The Lineage of the Line: Space Syntax Parameters from the Analysis of Urban DEMs. <i>Environment and Planning B: Planning and Design</i> , 2005 , 32, 547-566		26
10	Energy consumption and urban texture. <i>Energy and Buildings</i> , 2005 , 37, 762-776	7	350
9	Raster Analysis of Urban Form. <i>Environment and Planning B: Planning and Design</i> , 2004 , 31, 297-309		99
8	Space Syntax: Some Inconsistencies. <i>Environment and Planning B: Planning and Design</i> , 2004 , 31, 487-499		227
7	Tangible User Interfaces (TUIs): A Novel Paradigm for GIS. <i>Transactions in GIS</i> , 2004 , 8, 407-421	2.1	27
6	Rejoinder to Hillier and Penn. <i>Environment and Planning B: Planning and Design</i> , 2004 , 31, 513-516		25
5	Building form and environmental performance: archetypes, analysis and an arid climate. <i>Energy and Buildings</i> , 2003 , 35, 49-59	7	205
4	Illuminating clay 2002 ,		186
3	Beyond Distance Decay: Discover Homophily in Spatially Embedded Social Networks. <i>Annals of the American Association of Geographers</i> , 1-17	2.6	2
2	Using reinforcement learning to minimize taxi idle times. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 1-16	3.2	2
1	Revisiting Jane Jacobs: Quantifying urban diversity. <i>Environment and Planning B: Urban Analytics and City Science</i> , 239980832110509	2	2