Dieter Pfoser

List of Publications by Year
in descending order

41 papers	1,217 citations	840585 11 h-index	580701 25 g-index
41 all docs	41 docs citations	41 times ranked	1143 citing authors

#	ARTICLE	IF	CITATIONS
1	Capturing the Uncertainty of Moving-Object Representations. Lecture Notes in Computer Science, 1999, , 111-131.	1.0	273
2	Crowdsourcing urban form and function. International Journal of Geographical Information Science, 2015, 29, 720-741.	2.2	148
3	A comparison and evaluation of map construction algorithms using vehicle tracking data. GeoInformatica, 2015, 19, 601-632.	2.0	142
4	On vehicle tracking data-based road network generation. , 2012, , .		101
5	Zika in Twitter: Temporal Variations of Locations, Actors, and Concepts. JMIR Public Health and Surveillance, 2017, 3, e22.	1.2	90
6	Taking the pulse of COVID-19: a spatiotemporal perspective. International Journal of Digital Earth, 2020, 13, 1186-1211.	1.6	88
7	Cancer and Social Media: A Comparison of Traffic about Breast Cancer, Prostate Cancer, and Other Reproductive Cancers on Twitter and Instagram. Journal of Health Communication, 2018, 23, 181-189.	1.2	73
8	Using OpenStreetMap point-of-interest data to model urban change—A feasibility study. PLoS ONE, 2019, 14, e0212606.	1.1	34
9	Map Construction Algorithms. , 2015, , .		26
10	Segmentation-based road network construction. , 2013, , .		19
11	Location-Based Social Network Data Generation Based on Patterns of Life. , 2020, , .		17
12	Optimizing Landmark-Based Routing and Preprocessing. , 2013, , .		16
13	A Layered Approach for More Robust Generation of Road Network Maps from Vehicle Tracking Data. ACM Transactions on Spatial Algorithms and Systems, 2017, 3, 1-21.	1.1	16
14	Towards a Flexible and Scalable Fleet Management Service. , 2013, , .		13
15	Spatio-textual user matching and clustering based on set similarity joins. VLDB Journal, 2018, 27, 297-320.	2.7	13
16	Location-Based Social Simulation. , 2019, , .		13
17	Simulating Urban Patterns of Life. , 2019, , .		13
18	On quantifying qualitative geospatial data. , 2013, , .		12

#	Article	IF	Citations
19	Knowledge-Enriched Route Computation. Lecture Notes in Computer Science, 2015, , 157-176.	1.0	12
20	Location-based social simulation for prescriptive analytics of disease spread. SIGSPATIAL Special, 2020, 12, 53-61.	2.5	12
21	Location Estimation Using Crowdsourced Spatial Relations. ACM Transactions on Spatial Algorithms and Systems, 2016, 2, 1-23.	1.1	11
22	Towards knowledge-enriched path computation. , 2014, , .		9
23	Knowledge extraction from crowdsourced data for the enrichment of road networks. GeoInformatica, 2017, 21, 763-795.	2.0	9
24	Urban life: a model of people and places. Computational and Mathematical Organization Theory, 2023, 29, 20-51.	1.5	8
25	Crowdsourcing turning-restrictions from map-matched trajectories. Information Systems, 2017, 64, 221-236.	2.4	7
26	Managing Uncertainty in Evolving Geo-Spatial Data. , 2020, , .		6
27	Towards a Better Understanding of Public Transportation Traffic: A Case Study of the Washington, DC Metro. Urban Science, 2018, 2, 65.	1.1	5
28	Tourismo: A User-Preference Tourist Trip Search Engine. Lecture Notes in Computer Science, 2015, , 514-519.	1.0	5
29	On User-Generated Geocontent. Lecture Notes in Computer Science, 2011, , 458-461.	1.0	5
30	ReHub. Journal of Experimental Algorithmics, 2016, 21, 1-35.	0.7	4
31	A Hierarchical Spatial Network Index for Arbitrarily Distributed Spatial Objects. ISPRS International Journal of Geo-Information, 2021, 10, 814.	1.4	4
32	Geosemantic Network-of-Interest Construction Using Social Media Data. Lecture Notes in Computer Science, 2014, , 109-125.	1.0	3
33	Map Construction Algorithms. , 2015, , 1-14.		3
34	GeoSim 2019 workshop report: The 2nd ACM SIGSPATIAL International Workshop on Geospatial Simulation. SIGSPATIAL Special, 2020, 11, 20-22.	2.5	3
35	A vocabulary recommendation method for spatiotemporal data discovery based on Bayesian network and ontologies. Big Earth Data, 2019, 3, 220-231.	2.0	2
36	Investigation design: The structural elements of knowledge-seeking efforts. Data and Knowledge Engineering, 2019, 119, 71-88.	2.1	1

#	Article	IF	Citations
37	Movement-aware map construction. International Journal of Geographical Information Science, 2021, 35, 1065-1093.	2.2	1
38	Guest editorial: spatial and temporal databases. GeoInformatica, 2013, 17, 413-415.	2.0	0
39	Hub Labels on the database for large-scale graphs with the COLD framework. GeoInformatica, 2017, 21, 703-732.	2.0	0
40	Quality Measures for Map Comparison. , 2015, , 71-83.		0
41	Vehicle Relocation for Ride-Hailing. , 2020, , .		0