Alexander Zipf

List of Publications by Year
in descending order

118 papers	4,950 citations	126708 33 h-index	114278 63 g-index
122 all docs	122 docs citations	122 times ranked	4028 citing authors

#	Article	IF	Citations
1	Quality assessment for building footprints data on OpenStreetMap. International Journal of Geographical Information Science, 2014, 28, 700-719.	2.2	381
2	A geographic approach for combining social media and authoritative data towards identifying useful information for disaster management. International Journal of Geographical Information Science, 2015, 29, 667-689.	2.2	292
3	The Street Network Evolution of Crowdsourced Maps: OpenStreetMap in Germany 2007â€“2011. Future Internet, 2012, 4, 1-21.	2.4	287
4	A Comprehensive Framework for Intrinsic OpenStreetMap Quality Analysis. Transactions in GIS, 2014, 18, 877-895.	1.0	264
5	Analyzing the Contributor Activity of a Volunteered Geographic Information Project â€” The Case of OpenStreetMap. ISPRS International Journal of Geo-Information, 2012, 1, 146-165.	1.4	243
6	Fine-resolution population mapping using OpenStreetMap points-of-interest. International Journal of Geographical Information Science, 2014, 28, 1940-1963.	2.2	184
7	An Advanced Systematic Literature Review on Spatiotemporal Analyses of <scp>T</scp>witter Data. Transactions in GIS, 2015, 19, 809-834.	1.0	136
8	Neural correlates of individual differences in affective benefit of real-life urban green space exposure. Nature Neuroscience, 2019, 22, 1389-1393.	7.1	125
9	Twitter as an indicator for whereabouts of people? Correlating Twitter with UK census data. Computers, Environment and Urban Systems, 2015, 54, 255-265.	3.3	124
10	Comparison of Volunteered Geographic Information Data Contributions and Community Development for Selected World Regions. Future Internet, 2013, 5, 282-300.	2.4	118
11	Toward mapping land-use patterns from volunteered geographic information. International Journal of Geographical Information Science, 2013, 27, 2264-2278.	2.2	117
12	Road-based travel recommendation using geo-tagged images. Computers, Environment and Urban Systems, 2015, 53, 110-122.	3.3	104
13	DEEP MAP: Challenging IT Research In The Framework Of A Tourist Information System. , 2000, , 15-27.		100
14	Quality Evaluation of VGI Using Authoritative Dataâ€”A Comparison with Land Use Data in Southern Germany. ISPRS International Journal of Geo-Information, 2015, 4, 1657-1671.	1.4	98
15	Identifying the city center using human travel flows generated from location-based social networking data. Environment and Planning B: Planning and Design, 2016, 43, 480-498.	1.7	81
16	Open land cover from OpenStreetMap and remote sensing. International Journal of Applied Earth Observation and Geoinformation, 2017, 63, 206-213.	1.4	81
17	Exploration of spatiotemporal and semantic clusters of Twitter data using unsupervised neural networks. International Journal of Geographical Information Science, 2016, 30, 1694-1716.	2.2	80
18	Towards Automatic Vandalism Detection in OpenStreetMap. ISPRS International Journal of Geo-Information, 2012, 1, 315-332.	1.4	79

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19	User-Adaptive Maps for Location-Based Services (LBS) for Tourism. , 2002, , 329-338.		72
20	Location-based Mobile Tourist Services - First User Experiences. , 2003, , 115-123.		65
21	A polygon-based approach for matching OpenStreetMap road networks with regional transit authority data. International Journal of Geographical Information Science, 2016, 30, 748-764.	2.2	62
22	The evolution of humanitarian mapping within the OpenStreetMap community. Scientific Reports, 2021, 11, 3037.	1.6	61
23	Volunteered geographic information research in the first decade: a narrative review of selected journal articles in GIScience. International Journal of Geographical Information Science, 2020, 34, 1765-1791.	2.2	58
24	Quality Assessment of the Contributed Land Use Information from OpenStreetMap Versus Authoritative Datasets. Lecture Notes in Geoinformation and Cartography, 2015, , 37-58.	0.5	57
25	Formal definition of a user-adaptive and length-optimal routing graph for complex indoor environments. Geo-Spatial Information Science, 2011, 14, 119-128.	2.4	56
26	Area-wide roof plane segmentation in airborne LiDAR point clouds. Computers, Environment and Urban Systems, 2012, 36, 54-64.	3.3	42
27	Monitoring and Assessing Post-Disaster Tourism Recovery Using Geotagged Social Media Data. ISPRS International Journal of Geo-Information, 2017, 6, 144.	1.4	41
28	A System for Generating Customized Pleasant Pedestrian Routes Based on OpenStreetMap Data. Sensors, 2018, 18, 3794.	2.1	40
29	An Introduction to OpenStreetMap in Geographic Information Science: Experiences, Research, and Applications. Lecture Notes in Geoinformation and Cartography, 2015, , 1-15.	0.5	39
30	Implementing adaptive mobile GI services based on ontologies. Computers, Environment and Urban Systems, 2006, 30, 784-798.	3.3	38
31	An Exploration of Future Patterns of the Contributions to OpenStreetMap and Development of a Contribution Index. Transactions in GIS, 2015, 19, 896-914.	1.0	37
32	Exercise versus Nonexercise Activity. Medicine and Science in Sports and Exercise, 2017, 49, 763-773.	0.2	37
33	Efficient Method for POI/ROI Discovery Using Flickr Geotagged Photos. ISPRS International Journal of Geo-Information, 2018, 7, 121.	1.4	37
34	A Conceptual Quality Framework for Volunteered Geographic Information. Lecture Notes in Computer Science, 2015, , 89-107.	1.0	37
35	A taxonomy of quality assessment methods for volunteered and crowdsourced geographic information. Transactions in GIS, 2018, 22, 542-560.	1.0	36
36	OSHDB: a framework for spatio-temporal analysis of OpenStreetMap history data. Open Geospatial Data, Software and Standards, 2019, 4, .	4.3	36

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37	Mapping Human Settlements with Higher Accuracy and Less Volunteer Efforts by Combining Crowdsourcing and Deep Learning. Remote Sensing, 2019, 11, 1799.	1.8	36
38	OGC Web Processing Service Interface for Web Service Orchestration Aggregating Geo-processing Services in a Bomb Threat Scenario. , 2007, , 239-251.		34
39	Towards Defining a Framework for the Automatic Derivation of 3D CityGML Models from Volunteered Geographic Information. International Journal of 3-D Information Modeling, 2012, 1, 1-16.	0.2	33
40	Defining Fitness-for-Use for Crowdsourced Points of Interest (POI). ISPRS International Journal of Geo-Information, 2016, 5, 149.	1.4	32
41	Studying the impact of built environments on human mental health in everyday life: methodological developments, state-of-the-art and technological frontiers. Current Opinion in Psychology, 2020, 32, 158-164.	2.5	32
42	Temporal Analysis on Contribution Inequality in OpenStreetMap: A Comparative Study for Four Countries. ISPRS International Journal of Geo-Information, 2016, 5, 5.	1.4	31
43	Enrichment of OpenStreetMap Data Completeness with Sidewalk Geometries Using Data Mining Techniques. Sensors, 2018, 18, 509.	2.1	31
44	Within-Subject Associations between Mood Dimensions and Non-exercise Activity: An Ambulatory Assessment Approach Using Repeated Real-Time and Objective Data. Frontiers in Psychology, 2016, 7, 918.	1.1	30
45	Mapping Public Urban Green Spaces Based on OpenStreetMap and Sentinel-2 Imagery Using Belief Functions. ISPRS International Journal of Geo-Information, 2021, 10, 251.	1.4	30
46	Exploring the Geographical Relations Between Social Media and Flood Phenomena to Improve Situational Awareness. Lecture Notes in Geoinformation and Cartography, 2014, , 55-71.	0.5	30
47	The OpenStreetMap folksonomy and its evolution. Geo-Spatial Information Science, 2017, 20, 219-230.	2.4	29
48	An exploration of the interaction between urban human activities and daily traffic conditions: A case study of Toronto, Canada. Cities, 2019, 84, 8-22.	2.7	29
49	Towards a Landmark-Based Pedestrian Navigation Service Using OSM Data. ISPRS International Journal of Geo-Information, 2017, 6, 64.	1.4	28
50	Towards 3D Spatial Data Infrastructures (3D-SDI) based on open standards â€" experiences, results and future issues. Lecture Notes in Geoinformation and Cartography, 2008, , 65-86.	0.5	27
51	Completeness of citizen science biodiversity data from a volunteered geographic information perspective. Geo-Spatial Information Science, 2017, 20, 3-13.	2.4	26
52	Volunteered Geographic Information for Disaster Risk Reductionâ€"The Missing Maps Approach and Its Potential within the Red Cross and Red Crescent Movement. Remote Sensing, 2018, 10, 1239.	1.8	26
53	Developing Location Based Services for Tourism. The Service Providersâ€™ View. , 2001, , 83-92.		26
54	Mining and correlating traffic events from human sensor observations with official transport data using self-organizing-maps. Transportation Research Part C: Emerging Technologies, 2016, 73, 91-104.	3.9	25

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55	OpenStreetMap data quality enrichment through awareness raising and collective action toolsâ€"experiences from a European project. Geo-Spatial Information Science, 2018, 21, 234-246.	2.4	24
56	Exploration of OpenStreetMap missing built-up areas using twitter hierarchical clustering and deep learning in Mozambique. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 166, 41-51.	4.9	23
57	The Evolution of Geo-Crowdsourcing: Bringing Volunteered Geographic Information to the Third Dimension. , 2013, , 139-159.		22
58	Using Crowdsourced Geodata for Agent-Based Indoor Evacuation Simulations. ISPRS International Journal of Geo-Information, 2012, 1, 186-208.	1.4	21
59	Crowdsourcing geographic information for disaster management and improving urban resilience: an overview of recent developments and lessons learned. , 2016, , 309-321.		21
60	Generation of VRML city models for focus based tour animations. , 2003, , .		20
61	Graph-Based Matching of Points-of-Interest from Collaborative Geo-Datasets. ISPRS International Journal of Geo-Information, 2018, 7, 117.	1.4	20
62	A neural mechanism for affective well-being: Subgenual cingulate cortex mediates real-life effects of nonexercise activity on energy. Science Advances, 2020, 6, .	4.7	19
63	Semantic Interoperability of Sensor Data with Volunteered Geographic Information: A Unified Model. ISPRS International Journal of Geo-Information, 2013, 2, 766-796.	1.4	18
64	Routing through open spaces â€“ A performance comparison of algorithms. Geo-Spatial Information Science, 2018, 21, 247-256.	2.4	18
65	Mood Dimensions Show Distinct Within-Subject Associations With Non-exercise Activity in Adolescents: An Ambulatory Assessment Study. Frontiers in Psychology, 2018, 9, 268.	1.1	17
66	A Multi-Sensor Fusion Framework Based on Coupled Residual Convolutional Neural Networks. Remote Sensing, 2020, 12, 2067.	1.8	17
67	Crowdsourcing for individual needs â€“ the case of routing and navigation for mobility-impaired persons. , 2016, , 325-337.		17
68	Guided Classification System for Conceptual Overlapping Classes in OpenStreetMap. ISPRS International Journal of Geo-Information, 2016, 5, 87.	1.4	16
69	Coupling maximum entropy modeling with geotagged social media data to determine the geographic distribution of tourists. International Journal of Geographical Information Science, 2018, 32, 1699-1736.	2.2	16
70	Open source data mining infrastructure for exploring and analysing OpenStreetMap. Open Geospatial Data, Software and Standards, 2018, 3, .	4.3	16
71	A comparison of temporal and location-based sampling strategies for global positioning system-triggered electronic diaries. Geospatial Health, 2016, 11, 473.	0.3	15
72	Deriving incline values for street networks from voluntarily collected GPS traces. Cartography and Geographic Information Science, 2017, 44, 152-169.	1.4	15

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73	Improving OpenStreetMap missing building detection using fewâ€shot transfer learning in subâ€Saharan Africa. Transactions in GIS, 2022, 26, 3125-3146.	1.0	15
74	Explorative public transport flow analysis from uncertain social media data. , 2014, , .		14
75	Highlighting Current Trends in Volunteered Geographic Information. ISPRS International Journal of Geo-Information, 2017, 6, 202.	1.4	14
76	Assessing spatiotemporal predictability of LBSN: a case study of three Foursquare datasets. GeoInformatica, 2018, 22, 541-561.	2.0	14
77	Towards Detecting Building Facades with Graffiti Artwork Based on Street View Images. ISPRS International Journal of Geo-Information, 2020, 9, 98.	1.4	14
78	Abundant Topological Outliers in Social Media Data and Their Effect on Spatial Analysis. PLoS ONE, 2016, 11, e0162360.	1.1	11
79	An exploratory analysis of usability of Flickr tags for land use/land cover attribution. Geo-Spatial Information Science, 2019, 22, 12-22.	2.4	11
80	Relationships between incidental physical activity, exercise, and sports with subsequent mood in adolescents. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 2234-2250.	1.3	11
81	Regional variations of contextâ€based association rules in OpenStreetMap. Transactions in GIS, 2021, 25, 602-621.	1.0	11
82	Estimation of Building Types on OpenStreetMap Based on Urban Morphology Analysis. Lecture Notes in Geoinformation and Cartography, 2014, , 19-35.	0.5	11
83	Towards Standards-Based Processing of Digital Elevation Models for Grid Computing through Web Processing Service (WPS). Lecture Notes in Computer Science, 2008, , 191-203.	1.0	11
84	Understanding spatiotemporal trip purposes of urban micro-mobility from the lens of dockless e-scooter sharing. Computers, Environment and Urban Systems, 2022, 96, 101848.	3.3	11
85	Interoperable processing of digital elevation models in grid infrastructures. Earth Science Informatics, 2009, 2, 107-116.	1.6	10
86	An analysis of the spatial and temporal distribution of largeâ€scale data production events in OpenStreetMap. Transactions in GIS, 2021, 25, 622-641.	1.0	10
87	The Impact of Community Happenings in OpenStreetMapâ€"Establishing a Framework for Online Community Member Activity Analyses. ISPRS International Journal of Geo-Information, 2021, 10, 164.	1.4	10
88	Automatic mapping of national surface water with OpenStreetMap and Sentinel-2 MSI data using deep learning. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102571.	1.4	10
89	Extending the OGC OpenLS Route Service to 3D for an interoperable realisation of 3D focus maps with landmarks. Journal of Location Based Services, 2008, 2, 153-174.	1.4	9
90	Do people communicate about their whereabouts? Investigating the relation between user-generated text messages and Foursquare check-in places. Geo-Spatial Information Science, 2018, 21, 159-172.	2.4	9

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91	3D WebGIS: From Visualization to Analysis. An Efficient Browser-Based 3D Line-of-Sight Analysis. ISPRS International Journal of Geo-Information, 2018, 7, 279.	1.4	9
92	Proposal for a Web Processing Services (WPS) Application Profile for 3D Processing Analysis. , 2010, , .		8
93	Indoor Route Planning with Volunteered Geographic Information on a (Mobile) Web-Based Platform. Lecture Notes in Geoinformation and Cartography, 2013, , 211-231.	0.5	8
94	The Sketch Map Tool Facilitates the Assessment of OpenStreetMap Data for Participatory Mapping. ISPRS International Journal of Geo-Information, 2021, 10, 130.	1.4	8
95	Room semantics inference using random forest and relational graph convolutional networks: A case study of research building. Transactions in GIS, 2021, 25, 71-111.	1.0	7
96	Analysing the Impact of Large Data Imports in OpenStreetMap. ISPRS International Journal of Geo-Information, 2021, 10, 528.	1.4	7
97	The association of stress and physical activity: Mind the ecological fallacy. German Journal of Exercise and Sport Research, 2022, 52, 282.	1.0	7
98	Detecting repetitive structures on building footprints for the purposes of 3D modeling and reconstruction. International Journal of Digital Earth, 2017, 10, 785-797.	1.6	6
99	Towards Detecting the Crowd Involved in Social Events. ISPRS International Journal of Geo-Information, 2017, 6, 305.	1.4	6
100	Feasibility of Using Grammars to Infer Room Semantics. Remote Sensing, 2019, 11, 1535.	1.8	6
101	Uncovering Latent Mobility Patterns from Twitter During Mass Events. GI_Forum, 0, 1, 525-534.	0.2	6
102	Open-data-driven embeddable quality management services for map-based web applications. Big Earth Data, 2018, 2, 395-422.	2.0	5
103	Integrating Terrain Surface and Street Network for 3D Routing. Lecture Notes in Geoinformation and Cartography, 2009, , 109-126.	0.5	5
104	Leveraging OpenStreetMap and Multimodal Remote Sensing Data with Joint Deep Learning for Wastewater Treatment Plants Detection. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102804.	0.9	4
105	Providing Near Real-Time Traffic Information within Spatial Data Infrastructures. , 2009, , .		3
106	Extending Spatial Data Infrastructures 3D by Geoprocessing Functionality - 3D Simulations in Disaster Management and environmental Research. , 2009, , .		3
107	Where the Streets Have Known Names. Lecture Notes in Computer Science, 2016, , 1-12.	1.0	3
108	Incorporating Land Use in a Spatiotemporal Trigger for Ecological Momentary Assessments. GI_Forum, 0, 1, 113-116.	0.2	3

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109	Quiet Route Planning for Pedestrians in Traffic Noise Polluted Environments. IEEE Transactions on Intelligent Transportation Systems, 2020, , 1-12.	4.7	3
110	How to Define 3D Geoprocessing Operations for the OGC Web Processing Service (WPS)? Towards a Classification of 3D Operations. Lecture Notes in Computer Science, 2008, , 708-723.	1.0	3
111	Tagging the main entrances of public buildings based on OpenStreetMap and binary imbalanced learning. International Journal of Geographical Information Science, 0, , 1-29.	2.2	2
112	MOBILE MAPS 2005 interactivity and usability of map-based mobile services. , 2005, , .		1
113	Toward coupling sensor data and volunteered geographic information (VGI) with agent-based transport simulation in the context of smart cities. , 2012, , .		1
114	A mobile sensor data acquisition and evaluation framework for crowd sourcing data. , 2013, , .		1
115	Modelling and Assessing Spatial Big Data. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 16-44.	0.3	1
116	Adapting OSM-3D to the Mobile World: Challenges and Potentials. Lecture Notes in Geoinformation and Cartography, 2013, , 471-489.	0.5	1
117	Deep Learning with Satellite Images and Volunteered Geographic Information. , 2017, , 63-78.		1
118	Real time query propagation strategies with Lightweight Coordination Calculus (LCC) for ad hoc networks of geospatial databases. Journal of Network and Computer Applications, 2012, 35, 1918-1933.	5.8	0