

Alexander Zipf

List of Publications by Year in descending order

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Version: 2024-02-01

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	The association of stress and physical activity: Mind the ecological fallacy. <i>German Journal of Exercise and Sport Research</i> , 2022, 52, 282.	1.0	7
2	Improving OpenStreetMap missing building detection using few-shot transfer learning in sub-Saharan Africa. <i>Transactions in GIS</i> , 2022, 26, 3125-3146.	1.0	15
3	Leveraging OpenStreetMap and Multimodal Remote Sensing Data with Joint Deep Learning for Wastewater Treatment Plants Detection. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 110, 102804.	0.9	4
4	Understanding spatiotemporal trip purposes of urban micro-mobility from the lens of dockless e-scooter sharing. <i>Computers, Environment and Urban Systems</i> , 2022, 96, 101848.	3.3	11
5	Regional variations of context-based association rules in OpenStreetMap. <i>Transactions in GIS</i> , 2021, 25, 602-621.	1.0	11
6	Room semantics inference using random forest and relational graph convolutional networks: A case study of research building. <i>Transactions in GIS</i> , 2021, 25, 71-111.	1.0	7
7	The evolution of humanitarian mapping within the OpenStreetMap community. <i>Scientific Reports</i> , 2021, 11, 3037.	1.6	61
8	An analysis of the spatial and temporal distribution of large-scale data production events in OpenStreetMap. <i>Transactions in GIS</i> , 2021, 25, 622-641.	1.0	10
9	The Impact of Community Happenings in OpenStreetMap—Establishing a Framework for Online Community Member Activity Analyses. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 164.	1.4	10
10	The Sketch Map Tool Facilitates the Assessment of OpenStreetMap Data for Participatory Mapping. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 130.	1.4	8
11	Mapping Public Urban Green Spaces Based on OpenStreetMap and Sentinel-2 Imagery Using Belief Functions. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 251.	1.4	30
12	Analysing the Impact of Large Data Imports in OpenStreetMap. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 528.	1.4	7
13	Automatic mapping of national surface water with OpenStreetMap and Sentinel-2 MSI data using deep learning. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 104, 102571.	1.4	10
14	Studying the impact of built environments on human mental health in everyday life: methodological developments, state-of-the-art and technological frontiers. <i>Current Opinion in Psychology</i> , 2020, 32, 158-164.	2.5	32
15	Relationships between incidental physical activity, exercise, and sports with subsequent mood in adolescents. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2234-2250.	1.3	11
16	A Multi-Sensor Fusion Framework Based on Coupled Residual Convolutional Neural Networks. <i>Remote Sensing</i> , 2020, 12, 2067.	1.8	17
17	A neural mechanism for affective well-being: Subgenual cingulate cortex mediates real-life effects of nonexercise activity on energy. <i>Science Advances</i> , 2020, 6, .	4.7	19
18	Exploration of OpenStreetMap missing built-up areas using twitter hierarchical clustering and deep learning in Mozambique. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 166, 41-51.	4.9	23

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19	Volunteered geographic information research in the first decade: a narrative review of selected journal articles in GIScience. <i>International Journal of Geographical Information Science</i> , 2020, 34, 1765-1791.	2.2	58
20	Towards Detecting Building Facades with Graffiti Artwork Based on Street View Images. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 98.	1.4	14
21	Quiet Route Planning for Pedestrians in Traffic Noise Polluted Environments. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, , 1-12.	4.7	3
22	An exploration of the interaction between urban human activities and daily traffic conditions: A case study of Toronto, Canada. <i>Cities</i> , 2019, 84, 8-22.	2.7	29
23	Feasibility of Using Grammars to Infer Room Semantics. <i>Remote Sensing</i> , 2019, 11, 1535.	1.8	6
24	Neural correlates of individual differences in affective benefit of real-life urban green space exposure. <i>Nature Neuroscience</i> , 2019, 22, 1389-1393.	7.1	125
25	OSHDB: a framework for spatio-temporal analysis of OpenStreetMap history data. <i>Open Geospatial Data, Software and Standards</i> , 2019, 4, .	4.3	36
26	Mapping Human Settlements with Higher Accuracy and Less Volunteer Efforts by Combining Crowdsourcing and Deep Learning. <i>Remote Sensing</i> , 2019, 11, 1799.	1.8	36
27	An exploratory analysis of usability of Flickr tags for land use/land cover attribution. <i>Geo-Spatial Information Science</i> , 2019, 22, 12-22.	2.4	11
28	Modelling and Assessing Spatial Big Data. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019, , 16-44.	0.3	1
29	A taxonomy of quality assessment methods for volunteered and crowdsourced geographic information. <i>Transactions in GIS</i> , 2018, 22, 542-560.	1.0	36
30	Routing through open spaces – A performance comparison of algorithms. <i>Geo-Spatial Information Science</i> , 2018, 21, 247-256.	2.4	18
31	Coupling maximum entropy modeling with geotagged social media data to determine the geographic distribution of tourists. <i>International Journal of Geographical Information Science</i> , 2018, 32, 1699-1736.	2.2	16
32	Assessing spatiotemporal predictability of LBSN: a case study of three Foursquare datasets. <i>Geoinformatica</i> , 2018, 22, 541-561.	2.0	14
33	Open-data-driven embeddable quality management services for map-based web applications. <i>Big Earth Data</i> , 2018, 2, 395-422.	2.0	5
34	Do people communicate about their whereabouts? Investigating the relation between user-generated text messages and Foursquare check-in places. <i>Geo-Spatial Information Science</i> , 2018, 21, 159-172.	2.4	9
35	OpenStreetMap data quality enrichment through awareness raising and collective action tools – experiences from a European project. <i>Geo-Spatial Information Science</i> , 2018, 21, 234-246.	2.4	24
36	Open source data mining infrastructure for exploring and analysing OpenStreetMap. <i>Open Geospatial Data, Software and Standards</i> , 2018, 3, .	4.3	16

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37	A System for Generating Customized Pleasant Pedestrian Routes Based on OpenStreetMap Data. Sensors, 2018, 18, 3794.	2.1	40
38	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
39	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
40	Graph-Based Matching of Points-of-Interest from Collaborative Geo-Datasets. ISPRS International Journal of Geo-Information, 2018, 7, 117.	1.4	20
41	Efficient Method for POI/ROI Discovery Using Flickr Geotagged Photos. ISPRS International Journal of Geo-Information, 2018, 7, 121.	1.4	37
42	Enrichment of OpenStreetMap Data Completeness with Sidewalk Geometries Using Data Mining Techniques. Sensors, 2018, 18, 509.	2.1	31
43	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
44	Deriving incline values for street networks from voluntarily collected GPS traces. Cartography and Geographic Information Science, 2017, 44, 152-169.	1.4	15
45	Completeness of citizen science biodiversity data from a volunteered geographic information perspective. Geo-Spatial Information Science, 2017, 20, 3-13.	2.4	26
46	Exercise versus Nonexercise Activity. Medicine and Science in Sports and Exercise, 2017, 49, 763-773.	0.2	37
47	The OpenStreetMap folksonomy and its evolution. Geo-Spatial Information Science, 2017, 20, 219-230.	2.4	29
48	Open land cover from OpenStreetMap and remote sensing. International Journal of Applied Earth Observation and Geoinformation, 2017, 63, 206-213.	1.4	81
49	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
50	Highlighting Current Trends in Volunteered Geographic Information. ISPRS International Journal of Geo-Information, 2017, 6, 202.	1.4	14
51	Towards Detecting the Crowd Involved in Social Events. ISPRS International Journal of Geo-Information, 2017, 6, 305.	1.4	6
52	Monitoring and Assessing Post-Disaster Tourism Recovery Using Geotagged Social Media Data. ISPRS International Journal of Geo-Information, 2017, 6, 144.	1.4	41
53	Towards a Landmark-Based Pedestrian Navigation Service Using OSM Data. ISPRS International Journal of Geo-Information, 2017, 6, 64.	1.4	28
54	Deep Learning with Satellite Images and Volunteered Geographic Information. , 2017, , 63-78.		1

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55	A comparison of temporal and location-based sampling strategies for global positioning system-triggered electronic diaries. <i>Geospatial Health</i> , 2016, 11, 473.	0.3	15
56	Temporal Analysis on Contribution Inequality in OpenStreetMap: A Comparative Study for Four Countries. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 5.	1.4	31
57	Defining Fitness-for-Use for Crowdsourced Points of Interest (POI). <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 149.	1.4	32
58	Abundant Topological Outliers in Social Media Data and Their Effect on Spatial Analysis. <i>PLoS ONE</i> , 2016, 11, e0162360.	1.1	11
59	Within-Subject Associations between Mood Dimensions and Non-exercise Activity: An Ambulatory Assessment Approach Using Repeated Real-Time and Objective Data. <i>Frontiers in Psychology</i> , 2016, 7, 918.	1.1	30
60	Where the Streets Have Known Names. <i>Lecture Notes in Computer Science</i> , 2016, , 1-12.	1.0	3
61	Identifying the city center using human travel flows generated from location-based social networking data. <i>Environment and Planning B: Planning and Design</i> , 2016, 43, 480-498.	1.7	81
62	Mining and correlating traffic events from human sensor observations with official transport data using self-organizing-maps. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 73, 91-104.	3.9	25
63	Guided Classification System for Conceptual Overlapping Classes in OpenStreetMap. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 87.	1.4	16
64	A polygon-based approach for matching OpenStreetMap road networks with regional transit authority data. <i>International Journal of Geographical Information Science</i> , 2016, 30, 748-764.	2.2	62
65	Exploration of spatiotemporal and semantic clusters of Twitter data using unsupervised neural networks. <i>International Journal of Geographical Information Science</i> , 2016, 30, 1694-1716.	2.2	80
66	Crowdsourcing geographic information for disaster management and improving urban resilience: an overview of recent developments and lessons learned. , 2016, , 309-321.		21
67	Crowdsourcing for individual needs – the case of routing and navigation for mobility-impaired persons. , 2016, , 325-337.		17
68	An Exploration of Future Patterns of the Contributions to OpenStreetMap and Development of a Contribution Index. <i>Transactions in GIS</i> , 2015, 19, 896-914.	1.0	37
69	Quality Evaluation of VGI Using Authoritative Data – A Comparison with Land Use Data in Southern Germany. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 1657-1671.	1.4	98
70	A geographic approach for combining social media and authoritative data towards identifying useful information for disaster management. <i>International Journal of Geographical Information Science</i> , 2015, 29, 667-689.	2.2	292
71	An Advanced Systematic Literature Review on Spatiotemporal Analyses of <sc>T</sc>witter Data. <i>Transactions in GIS</i> , 2015, 19, 809-834.	1.0	136
72	Twitter as an indicator for whereabouts of people? Correlating Twitter with UK census data. <i>Computers, Environment and Urban Systems</i> , 2015, 54, 255-265.	3.3	124

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73	Road-based travel recommendation using geo-tagged images. Computers, Environment and Urban Systems, 2015, 53, 110-122.	3.3	104
74	An Introduction to OpenStreetMap in Geographic Information Science: Experiences, Research, and Applications. Lecture Notes in Geoinformation and Cartography, 2015, , 1-15.	0.5	39
75	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
76	A Conceptual Quality Framework for Volunteered Geographic Information. Lecture Notes in Computer Science, 2015, , 89-107.	1.0	37
77	Explorative public transport flow analysis from uncertain social media data. , 2014, , .		14
78	Fine-resolution population mapping using OpenStreetMap points-of-interest. International Journal of Geographical Information Science, 2014, 28, 1940-1963.	2.2	184
79	A Comprehensive Framework for Intrinsic OpenStreetMap Quality Analysis. Transactions in GIS, 2014, 18, 877-895.	1.0	264
80	Quality assessment for building footprints data on OpenStreetMap. International Journal of Geographical Information Science, 2014, 28, 700-719.	2.2	381
81	Estimation of Building Types on OpenStreetMap Based on Urban Morphology Analysis. Lecture Notes in Geoinformation and Cartography, 2014, , 19-35.	0.5	11
82	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
83	Toward mapping land-use patterns from volunteered geographic information. International Journal of Geographical Information Science, 2013, 27, 2264-2278.	2.2	117
84	The Evolution of Geo-Crowdsourcing: Bringing Volunteered Geographic Information to the Third Dimension. , 2013, , 139-159.		22
85	A mobile sensor data acquisition and evaluation framework for crowd sourcing data. , 2013, , .		1
86	Comparison of Volunteered Geographic Information Data Contributions and Community Development for Selected World Regions. Future Internet, 2013, 5, 282-300.	2.4	118
87	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
88	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
89	Adapting OSM-3D to the Mobile World: Challenges and Potentials. Lecture Notes in Geoinformation and Cartography, 2013, , 471-489.	0.5	1
90	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

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91	The Street Network Evolution of Crowdsourced Maps: OpenStreetMap in Germany 2007â€“2011. Future Internet, 2012, 4, 1-21.	2.4	287
92	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
93	Toward coupling sensor data and volunteered geographic information (VGI) with agent-based transport simulation in the context of smart cities. , 2012, , .		1
94	Using Crowdsourced Geodata for Agent-Based Indoor Evacuation Simulations. ISPRS International Journal of Geo-Information, 2012, 1, 186-208.	1.4	21
95	Towards Automatic Vandalism Detection in OpenStreetMap. ISPRS International Journal of Geo-Information, 2012, 1, 315-332.	1.4	79
96	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
97	Area-wide roof plane segmentation in airborne LiDAR point clouds. Computers, Environment and Urban Systems, 2012, 36, 54-64.	3.3	42
98	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
99	Proposal for a Web Processing Services (WPS) Application Profile for 3D Processing Analysis. , 2010, , .		8
100	Interoperable processing of digital elevation models in grid infrastructures. Earth Science Informatics, 2009, 2, 107-116.	1.6	10
101	Providing Near Real-Time Traffic Information within Spatial Data Infrastructures. , 2009, , .		3
102	Extending Spatial Data Infrastructures 3D by Geoprocessing Functionality - 3D Simulations in Disaster Management and environmental Research. , 2009, , .		3
103	Integrating Terrain Surface and Street Network for 3D Routing. Lecture Notes in Geoinformation and Cartography, 2009, , 109-126.	0.5	5
104	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
105	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
106	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
107	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
108	OGC Web Processing Service Interface for Web Service Orchestration Aggregating Geo-processing Services in a Bomb Threat Scenario. , 2007, , 239-251.		34

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109	Implementing adaptive mobile GI services based on ontologies. Computers, Environment and Urban Systems, 2006, 30, 784-798.	3.3	38
110	MOBILE MAPS 2005 interactivity and usability of map-based mobile services. , 2005, , .		1
111	Generation of VRML city models for focus based tour animations. , 2003, , .		20
112	Location-based Mobile Tourist Services - First User Experiences. , 2003, , 115-123.		65
113	User-Adaptive Maps for Location-Based Services (LBS) for Tourism. , 2002, , 329-338.		72
114	Developing Location Based Services for Tourism. The Service Providersâ€™ View. , 2001, , 83-92.		26
115	DEEP MAP: Challenging IT Research In The Framework Of A Tourist Information System. , 2000, , 15-27.		100
116	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
117	Incorporating Land Use in a Spatiotemporal Trigger for Ecological Momentary Assessments. GI_Forum, 0, 1, 113-116.	0.2	3
118	Uncovering Latent Mobility Patterns from Twitter During Mass Events. GI_Forum, 0, 1, 525-534.	0.2	6