

Hongchao Fan

List of Publications by Year in descending order

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63
papers

1,682
citations

394421

19
h-index

302126

39
g-index

64
all docs

64
docs citations

64
times ranked

1698
citing authors

#	ARTICLE	IF	CITATIONS
1	GazPNE: annotation-free deep learning for place name extraction from microblogs leveraging gazetteer and synthetic data by rules. <i>International Journal of Geographical Information Science</i> , 2022, 36, 310-337.	4.8	15
2	GazPNE2: A General Place Name Extractor for Microblogs Fusing Gazetteers and Pretrained Transformer Models. <i>IEEE Internet of Things Journal</i> , 2022, 9, 16259-16271.	8.7	14
3	Evaluating spatial accessibility to healthcare services from the lens of emergency hospital visits based on floating car data. <i>International Journal of Digital Earth</i> , 2022, 15, 108-133.	3.9	12
4	An Improved Multi-Task Pointwise Network for Segmentation of Building Roofs in Airborne Laser Scanning Point Clouds. <i>Photogrammetric Record</i> , 2022, 37, 260-284.	0.4	6
5	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.	2.3	7
6	Analytics of big geosocial media and crowdsourced data. <i>Big Earth Data</i> , 2021, 5, 1-4.	4.4	3
7	A Probabilistic Method for Fractured Cultural Relics Automatic Reassembly. <i>Journal on Computing and Cultural Heritage</i> , 2021, 14, 1-25.	2.1	5
8	Exploring the Influence of E-Hailing Applications on the Taxi Industry—From the Perspective of the Drivers. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 77.	2.9	3
9	Special Issue on 3D Sensing in Intelligent Transportation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 1947-1949.	8.0	7
10	Towards Measuring Shape Similarity of Polygons Based on Multiscale Features and Grid Context Descriptors. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 279.	2.9	7
11	Detecting and Analyzing Urban Centers Based on the Localized Contour Tree Method Using Taxi Trajectory Data: A Case Study of Shanghai. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 220.	2.9	5
12	Layout graph model for semantic facade reconstruction using laser point clouds. <i>Geo-Spatial Information Science</i> , 2021, 24, 403-421.	5.3	11
13	Towards generating network of bikeways from Mapillary data. <i>Computers, Environment and Urban Systems</i> , 2021, 88, 101632.	7.1	22
14	Automated detecting and placing road objects from street-level images. <i>Computational Urban Science</i> , 2021, 1, 1.	3.2	5
15	VGI3D: an Interactive and Low-Cost Solution for 3D Building Modelling from Street-Level VGI Images. <i>Journal of Geovisualization and Spatial Analysis</i> , 2021, 5, 1.	4.3	11
16	An Interactive platform for low-cost 3D building modeling from VGI data using convolutional neural network. <i>Big Earth Data</i> , 2021, 5, 49-65.	4.4	21
17	Enhanced Facade Parsing for Street-Level Images Using Convolutional Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 10519-10531.	6.3	17
18	Data-driven approach to learning salience models of indoor landmarks by using genetic programming. <i>International Journal of Digital Earth</i> , 2020, 13, 1230-1257.	3.9	5

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19	Volunteered Geographic Information Research in the First Decade: Visualizing and Analyzing the Author Connectedness of Selected Journal Articles in GIScience. <i>Journal of Geovisualization and Spatial Analysis</i> , 2020, 4, 1.	4.3	3
20	A Grid-Based Approach for Measuring Similarities of Taxi Trajectories. <i>Sensors</i> , 2020, 20, 3118.	3.8	6
21	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.	4.8	58
22	The State of Mapillary: An Exploratory Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 10.	2.9	24
23	Reconstructing facade semantic models using hierarchical topological graphs. <i>Transactions in GIS</i> , 2020, 24, 1073-1097.	2.3	6
24	A Hybrid Method to Incrementally Extract Road Networks Using Spatio-Temporal Trajectory Data. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 186.	2.9	8
25	Registration of large-scale terrestrial laser scanner point clouds: A review and benchmark. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 163, 327-342.	11.1	220
26	Feasibility of Using Grammars to Infer Room Semantics. <i>Remote Sensing</i> , 2019, 11, 1535.	4.0	6
27	Exploring the Distribution Patterns of Flickr Photos. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 418.	2.9	10
28	Deep Learning From Multiple Crowds: A Case Study of Humanitarian Mapping. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 1713-1722.	6.3	27
29	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.	4.8	16
30	Assessing spatiotemporal predictability of LBSN: a case study of three Foursquare datasets. <i>Geoinformatica</i> , 2018, 22, 541-561.	2.7	14
31	Roof model recommendation for complex buildings based on combination rules and symmetry features in footprints. <i>International Journal of Digital Earth</i> , 2018, 11, 1039-1063.	3.9	5
32	Interactive 3D Building Modeling and Semantic Labeling from VGI Image Data. , 2018, , .		0
33	Towards Reconstructing 3D Buildings from ALS Data Based on Gestalt Laws. <i>Remote Sensing</i> , 2018, 10, 1127.	4.0	19
34	An automatic data integration approach to enrich ATKIS with the VGI of outdoor-sports data. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	3
35	Using mobile signaling data to exam urban park service radius in Shanghai: methods and limitations. <i>Computers, Environment and Urban Systems</i> , 2018, 71, 27-40.	7.1	42
36	Detecting repetitive structures on building footprints for the purposes of 3D modeling and reconstruction. <i>International Journal of Digital Earth</i> , 2017, 10, 785-797.	3.9	6

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37	Registration of Vehicle-Borne Point Clouds and Panoramic Images Based on Sensor Constellations. <i>Sensors</i> , 2017, 17, 837.	3.8	8
38	Towards Detecting the Crowd Involved in Social Events. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 305.	2.9	6
39	Monitoring and Assessing Post-Disaster Tourism Recovery Using Geotagged Social Media Data. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 144.	2.9	41
40	Exploring Spatiotemporal Patterns of Long-Distance Taxi Rides in Shanghai. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 339.	2.9	11
41	GridiLoc: A Backtracking Grid Filter for Fusing the Grid Model with PDR Using Smartphone Sensors. <i>Sensors</i> , 2016, 16, 2137.	3.8	10
42	Temporal Analysis on Contribution Inequality in OpenStreetMap: A Comparative Study for Four Countries. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 5.	2.9	31
43	Amateur or Professional: Assessing the Expertise of Major Contributors in OpenStreetMap Based on Contributing Behaviors. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 21.	2.9	28
44	Typification for Façade Structures Based on User Perception. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 239.	2.9	7
45	Registration of Airborne LiDAR Point Clouds by Matching the Linear Plane Features of Building Roof Facets. <i>Remote Sensing</i> , 2016, 8, 447.	4.0	11
46	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
47	A contextualized and personalized model to predict user interest using location-based social networks. <i>Computers, Environment and Urban Systems</i> , 2016, 58, 97-106.	7.1	10
48	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.	4.8	62
49	Contextualized Relevance Evaluation of Geographic Information for Mobile Users in Location-Based Social Networks. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 799-814.	2.9	8
50	Understanding Taxi Driving Behaviors from Movement Data. <i>Lecture Notes in Geoinformation and Cartography</i> , 2015, , 219-234.	1.0	11
51	Road-based travel recommendation using geo-tagged images. <i>Computers, Environment and Urban Systems</i> , 2015, 53, 110-122.	7.1	104
52	Segmentation of Sloped Roofs from Airborne LiDAR Point Clouds Using Ridge-Based Hierarchical Decomposition. <i>Remote Sensing</i> , 2014, 6, 3284-3301.	4.0	29
53	Identifying Man-Made Objects Along Urban Road Corridors From Mobile LiDAR Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 950-954.	3.1	29
54	Polygon-based approach for extracting multilane roads from OpenStreetMap urban road networks. <i>International Journal of Geographical Information Science</i> , 2014, 28, 2200-2219.	4.8	28

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55	Quality assessment for building footprints data on OpenStreetMap. International Journal of Geographical Information Science, 2014, 28, 700-719.	4.8	381
56	Estimation of Building Types on OpenStreetMap Based on Urban Morphology Analysis. Lecture Notes in Geoinformation and Cartography, 2014, , 19-35.	1.0	11
57	Event Identification from Georeferenced Images. Lecture Notes in Geoinformation and Cartography, 2014, , 73-88.	1.0	5
58	A three-step approach of simplifying 3D buildings modeled by CityGML. International Journal of Geographical Information Science, 2012, 26, 1091-1107.	4.8	64
59	Shell model representation as a substitute of LoD3 for 3D modeling in CityGML. Geo-Spatial Information Science, 2011, 14, 79-84.	5.3	5
60	Generalization of 3D Buildings Modelled by CityGML. Lecture Notes in Geoinformation and Cartography, 2009, , 387-405.	1.0	33
61	Visual Bandwidth Selection for Kernel Density Maps. Photogrammetrie, Fernerkundung, Geoinformation, 2009, 2009, 445-454.	1.2	12
62	Tagging the main entrances of public buildings based on OpenStreetMap and binary imbalanced learning. International Journal of Geographical Information Science, 0, , 1-29.	4.8	2
63	Urban spatial structure analysis: quantitative identification of urban social functions using building footprints. Frontiers of Earth Science, 0, , 1.	2.1	5